COLLEGE
LONDON

UNIVERSITY OF LONDON UNIVERSITY COLLEGE

ANNUAL REPORT

FEBRUARY 1947 - FEBRUARY 1948

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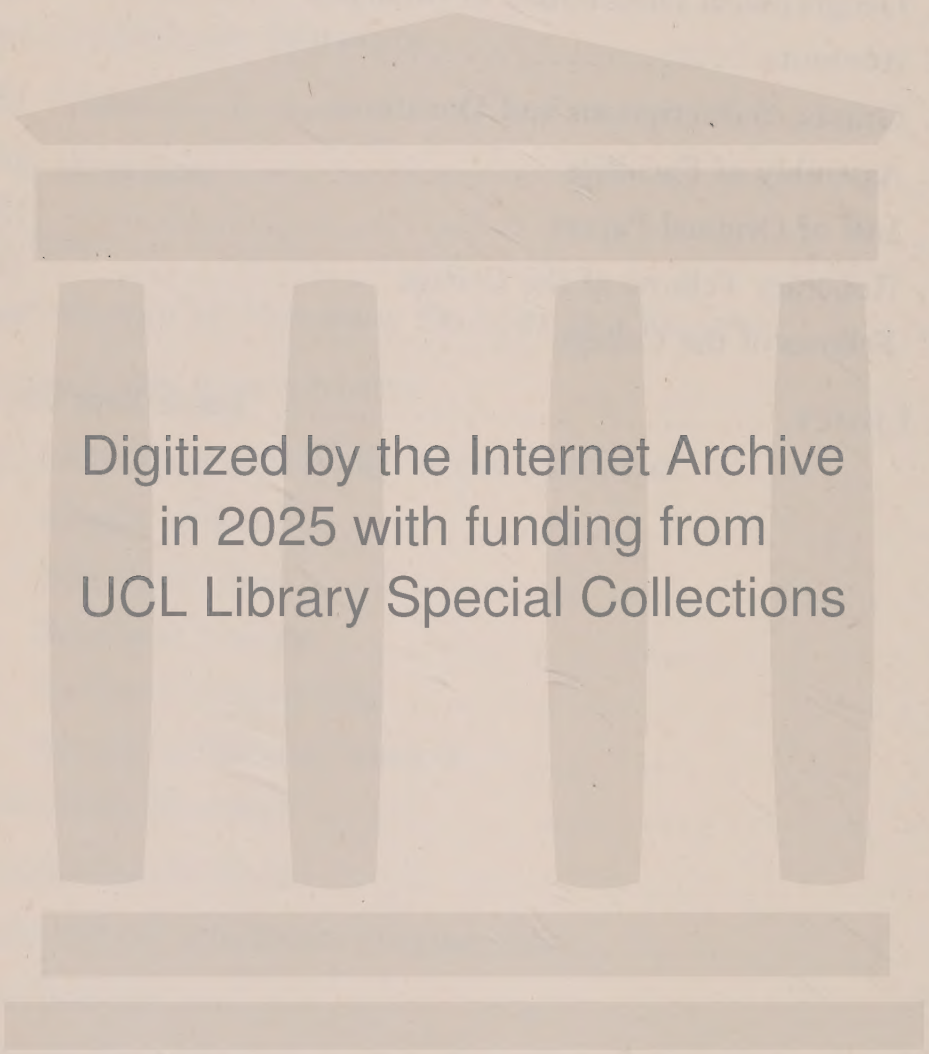
FORM OF LEGACY .....Inside Back Cover



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COLLEGE COMMITTEE

(Year Ending 29th February 1948)

Chairman: *Vacant*

Vice-Chairman: Sir ROBERT WALEY COHEN, K.B.E., M.A.

Joint Treasurers: A. DIGBY BESANT, B.A., Past Pres.I.A.†
DAVID HERON, M.A., D.Sc.†

Professor E. N. da C. ANDRADE, D.Sc., Ph.D., F.R.S.†
ARTHUR BRIAN ASHBY, M.A.
O. L. BRADY, D.Sc., D.I.C., F.R.I.C.
Professor H. J. COLLINS, M.C., M.Sc., M.Inst.C.E., M.I.Mech.E.
Professor G. R. de BEER, M.A., D.Sc., F.R.S.
Mrs. BARBARA DRAKE
P. DUNSHEATH, C.B.E., M.A., D.Sc., M.I.E.E.
Sir ALEXANDER GIBB, G.B.E., C.B., LL.D., F.R.S.†
Professor H. P. HIMSWORTH, M.D., F.R.C.P.†
A. S. HOLNESS, F.I.A.
Professor H. F. JOLOWICZ, M.A., LL.D.
Professor J. F. LOCKWOOD, M.A., Ph.D.
G. W. ODEY, C.B.E., B.A., M.P.
D. R. PYE, C.B., M.A., Sc.D., F.R.S.‡ (*Provost*)
Mrs. J. RODGERS, B.A., Ph.D.
Miss ETHELDREDA WICKERS, B.A., A.C.P.

---

† Fellow of the College.
‡ Hon. Fellow of the College.

MANAGING SUB-COMMITTEE

Chairman: Sir ROBERT WALEY COHEN, K.B.E., M.A.

Ex officio: The Chairman of the College Committee

Professor E. N. da C. ANDRADE, D.Sc., Ph.D., F.R.S.†

A. DIGBY BESANT, B.A., Past Pres.I.A.† (*Joint Treasurer*)

O. L. BRADY, D.Sc., D.I.C., F.R.I.C.

Professor H. J. COLLINS, M.C., M.Sc., M.Inst.C.E., M.I.Mech.E.

Professor G. R. de BEER, M.A., D.Sc., F.R.S.

Mrs. BARBARA DRAKE

P. DUNSHEATH, C.B.E., M.A., D.Sc., M.I.E.E.

DAVID HERON, M.A., D.Sc.† (*Joint Treasurer*)

A. S. HOLNESS, F.I.A.

Professor H. F. JOLOWICZ, M.A., LL.D.

Professor J. F. LOCKWOOD, M.A., Ph.D.

D. R. PYE, C.B., M.A., Sc.D., F.R.S.‡ (*Provost*)

---

† Fellow of the College.
‡ Hon. Fellow of the College.

FINANCE SUB-COMMITTEE

Chairman: DAVID HERON, M.A., D.Sc.† (*Joint Treasurer*)

Ex officio: The Chairman of the College Committee

The Vice-Chairman of the College Committee (Sir ROBERT WALEY COHEN, K.B.E., M.A.)

A. DIGBY BESANT, B.A., Past Pres.I.A.† (*Joint Treasurer*)

Mrs. BARBARA DRAKE

P. DUNSHEATH, C.B.E., M.A., D.Sc., M.I.E.E.

A. S. HOLNESS, F.I.A.

D. R. PYE, C.B., M.A., Sc.D., F.R.S.‡ (*Provost*)

---

† Fellow of the College.
‡ Hon. Fellow of the College.

PROFESSORIAL BOARD

Chairman

D. R. PYE, C.B., M.A., Sc.D., F.R.S.‡

	Appointed§
G. C. ALLEN, M.Com., Ph.D.	1946
E. N. DA C. ANDRADE, D.Sc., Ph.D., F.R.S.†	1928
BERNARD ASHMOLE, M.C., M.A., B.Litt., F.B.A.	1929
A. J. AYER, M.A.	1946
H. E. M. BARLOW, B.Sc.(Eng.), Ph.D., M.I.E.E., A.M.I.Mech.E.†	1945
H. HALE BELLOT, M.A.†	1930
O. L. BRADY, D.Sc., D.I.C., F.R.I.C.	1943
Sir CYRIL BURT, M.A., LL.D., D.Sc.	1932
J. ČERNÝ, Ph.Dr.	1946
H. J. COLLINS, M.C., M.Sc., M.Inst.C.E., M.I.Mech.E., P.P.I.Struct.E., A.M.Am.Soc.C.E.	1936
H. O. CORFIATO, S.A.D.G., F.R.I.B.A., F.I.B.D.	1937
H. DAVENPORT, M.A., Sc.D., F.R.S.	1945
FLORENCE N. DAVID, Ph.D.	1947
G. R. DE BEER, M.A., D.Sc., P.L.S., F.R.G.S., F.Z.S., F.R.S.	1939
H. DINGLE, D.Sc., D.I.C., A.R.C.S.	1946
W. E. DUNCANSON, Ph.D., D.Sc.	1947
C. LOVATT EVANS, LL.D., D.Sc., F.R.C.P., M.R.C.S., F.R.S.†	1926
C. B. FAWCETT, B.Litt., D.Sc.	1928
C. DARYLL FORDE, Ph.D.†	1945
A. H. GERRARD	1947
J. B. S. HALDANE, M.A., D.Sc., D. de l'Univ., F.R.S.	1933
C. A. HART, T.D., M.Sc.(Eng.), Ph.D., A.M.I.C.E., F.R.I.C.S., A.M.I.Struct.E.†	1946
A. V. HILL, C.H., O.B.E., M.A., LL.D., Sc.D., D.Sc., F.R.S.‡	1923
G. T. R. HILL, M.C., M.Sc.(Eng.), M.I.Mech.E., F.R.Ae.S.†	1934
W. G. HOLFORD, M.A., A.R.I.B.A., M.T.P.I.	1947
S. E. HOLLINGWORTH, M.A., D.Sc.	1946
C. K. INGOLD, D.Sc., F.R.S.	1930
RAYMOND IRWIN, M.A., F.L.A.	1945
H. F. JOLOWICZ, M.A., LL.D.	1931
A. H. M. JONES, M.A., F.B.A.	1946
DANIEL JONES, M.A., Dr.Phil.	1921
R. O. KAPP, B.Sc., M.I.E.E.	1935
G. W. KEETON, M.A., LL.D.	1938

† Fellow of the College.

‡ Hon. Fellow of the College.

§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs: in the case of others, the dates are those in which they were appointed members of the Professorial Board.

	Appointed§
L. Margaret Kerly, M.A., Ph.D.	1946
J. F. Lockwood, M.A., Ph.D.	1945
H. S. W. Massey, M.Sc., Ph.D., F.R.S.	1939
J. E. Neale, M.A.†	1927
Bruce Pattison, M.A., Ph.D.	1946
W. H. Pearsall, D.Sc., F.R.S.	1944
E. S. Pearson, C.B.E., M.A., D.Sc.†	1935
L. S. Penrose, M.A., M.D., M.R.C.P.	1945
G. J. Renier, Ph.D.†	1945
Constance M. Rigby, M.A., Ph.D.	1947
Randolph Schwabe, R.W.S.†	1930
C. J. Sisson, M.A., D.Lit., D.-ès-L.	1928
M. T. Smiley, M.A.	1925
A. H. Smith, O.B.E., M.A., D.Lit., Ph.D.	1947
S. Sugden, D.Sc., F.R.S.	1937
H. Terrey, B.Sc.	1934
S. G. Vesey-FitzGerald, M.A., LL.D.	1946
D. M. S. Watson, LL.D., D.Sc., F.R.S.‡	1921
H. E. Watson, D.Sc., F.R.I.C., M.I.Chem.E.†	1934
R. Weiss, D.Ph.	1946
John Wilks, M.A., F.L.A.†	1926
L. A. Willoughby, M.A., D.Lit., Ph.D.†	1931
F. R. Winton, M.A., M.D., D.Sc.	1938
B. Woledge, M.A., D. de l'Univ.	1939
D. O. Wood, M.Sc., A.R.C.S.	1932
T. L. Wren, M.A.	1925
F. G. Young, Ph.D., D.Sc.†	1945
J. Z. Young, M.A., F.R.S.	1945

Assessors

The Sub-Dean of the Faculty of :—

Arts :	R. D. McLellan, Ph.D.	1945
Laws :	G. Schwarzenberger, Ph.D., Dr.Jur.	1944
Engineering :	H. Marriott, B.Eng., B.Sc.(Econ.), A.M.I.E.E.	1945
Medical Sciences :	J. T. Aitken, M.B., B.Ch.	1946
Tutor to Women Students :	Eleanor M. Megaw, B.A.	1946

† Fellow of the College.
‡ Hon. Fellow of the College.
§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs : in the case of others, the dates are those in which they were appointed members of the Professorial Board.

ADMINISTRATIVE STAFF

PROVOST

D. R. PYE, C.B., M.A., Sc.D., F.R.S.
Honorary Fellow of the College

Secretary—E. A. L. Gueterbock, M.A.

Assistant Secretary—G. Clark, M.A., B.Sc.

Accountant—H. W. Claxton, O.B.E., A.C.A.

Registrar—H. E. Foster, M.A., F.Z.S.

Establishment Officer—H. C. C. Monahan, M.C., B.A.

Superintendent of Buildings—A. H. Taylor

Superintendent of Records—O. V. Lawley

Assistant Accountant—F. H. J. Davidson

Deputy Registrars—Winifred Radley
Nancie L. Pank

Cashier—H. Marklew

Assistant Cashier—J. H. Nicholls

Chief Clerk—R. L. Gregory

Publications Assistant—A. J. L. Cahill, B.Sc.(Econ.)

Alumnus Secretary—Millicent M. Oldham

Private Secretary to the Provost—Betty M. Baker, B.A.

Steward of the Refectory—R. Noel Small, B.A.

Assistant Steward—Joan M. Wilson

Nurse—Helen Drinkwater, S.R.N.

Buildings Department—**Foreman**—A. W. Woolven—**Clerk**—E. Norton.

Domestic Superintendent—Edith M. Baker

Hon. Sanitary Adviser—M. E. Delafield, M.B., B.Ch., D.P.H.

Auditors—Messrs. Price, Waterhouse & Co.

Administrative Assistants:

G. Patricia Davis, B.Sc.(Physics)
E. Hilda Ingold, D.Sc., Ph.D.(Chemistry)

Departmental Assistants : Katherine Attwood (Anthropology), Kathleen Blunt, B.Sc. (Mathematics), H. Jean Edmiston, B.A. (Statistics), A. C. Jenner (Civil Engineering), W. G. Kuhne (Zoology), Alice Lodge (Archæology), Barbara E. Simpson (Eugenics), Joan M. Sims, M.A. (Geography), Jean Tudor-Pole (Egyptology).

Accounts Assistants—Senior—J. S. Challis, L. J. Gue, W. H. F. Nicholls, J. Nokes—**Junior**—R. E. Nutley, Irene E. M. Parkinson—**Junior Clerk**—C. Pannick.

Senior Confidential Clerks—Winifred a'Brook, Helen K. Anderson, Amelia Banks, R. Blackaby, Cynthia Clewer, Pamela J. Codlin, Lily Cooper, H. J. W. Feasey, K. Sheila Hill, Catherine E. Hunn, Phyllis K. Leage, Margaret R. Melrose, M.A., Irene Morgan, Evelyn Morrell, Alice Page, Gwendolyn B. Page, Margaret Paton-Smith, June M. Walker, Margaret B. Wood.

Junior Confidential Clerks—Constance G. Barnes, Marjorie E. H. Barrett, Patricia M. Batchelor, Teresa J. Beer, Betty M. Bleay, Maureen A. Block, Barbara M. Bray, Sylvia Brightley, Cynthia G. Buckley, Joan C. Chandler, Mary H. Clemetson, Mary M. Coppinger, B.Sc., Audrey M. W. Daubercies, B.A., Heather Du Merton, June M. Ford, L. Nancy Hall, Esme Hanson, Elvina F. Harding, Margaret E. Harvey, Muriel Hedge, Alice W. P. Henson, June E. Howard, Joan C. M. Hughes, Rita J. Maurice, Eileen L. Mewes, Eluned Morgan, Barbara V. Nicholson, Vera Payton, Sybil Reid, E. Mary Ross, Barbara Sheard, B.A., Hilda M. Wakeford, Eileen E. H. Warwick, Marion Warwick, Joan D. Whitehead, June R. Whittome, Edith B. Wilde, Patricia M. Wilkins.

Telephone Operators—Olive M. Horner, Joan Mitchell.

Rotaprint Operator—Frances E. Reece.

ACADEMIC STAFF HOLDING ADMINISTRATIVE APPOINTMENTS

Senior Tutor

D. O. Wood, M.Sc., A.R.C.S.

Tutor to Women Students

Eleanor M. Megaw, B.A.

Faculty Tutors

Tutor to Arts Students— R. D. McLellan, Ph.D.

Tutor to Laws Students— G. Schwarzenberger, Ph.D., Dr. Jur.

Tutor to Science Students— D. O. Wood, M.Sc., A.R.C.S.

Tutor to Engineering Students—H. Marriott, B.Eng., B.Sc.(Econ.), A.M.I.E.E.

Tutor to Medical Students— J. T. Aitken, M.B., B.Ch.

Assistant Tutors

Architecture: L. Stuart Stanley, M.A., F.R.I.B.A., M.T.P.I.

Chemistry: H. Terrey, B.Sc.

English: H. Winifred Husbands, M.A.

Fine Art: R. Nuttall Smith, B.A.

French: Dora Starke, M.A.

History: S. T. Bindoff, M.A.

Political Economy: A. W. Stonier, M.A., D.Phil.

LIBRARY STAFF

Librarian

John Wilks, M.A., F.L.A., *Fellow of the College*

Deputy Librarian

Kenneth Garside, M.A.

Assistant Librarians.—F. M. C. Johnson; Joyce Pearson, F.L.A.; A. E. Tooth, M.A., F.L.A.; C. R. Fincken, B.A.; C. F. A. Marmoy, F.L.A.; Olive Carpenter, B.A., A.S.A.L.A.; D. H. Rhodes, B.A.

Senior Library Assistant.—R. A. Blackall.

Library Assistants.—H. W. Callaghan, F. C. Greenham.

Junior Library Assistants.—G. G. Rideout, Ann H. Kingston, Susan M. Hudson.

Clerical Assistant—Yvonne N. Fletcher.

PROFESSORS EMERITUS

F. W. Oliver, M.A., D.Sc., F.R.S.† ...	Botany	1929
E. J. Garwood, M.A., Sc.D., F.R.S. ..	Geology	1931
F. G. Donnan, C.B.E., M.A., D.Sc., F.R.S.†	Chemistry	1937
J. P. Hill, D.Sc., F.R.S.	Embryology	1938
J. H. Morgan, M.A., K.C., D.L. ...	Constitutional Law	1942
A. Wolf, M.A., D. Lit.†	Logic and Scientific Method .	1942
N. H. Baynes, M.A., D.Litt., D.D., F.B.A., F.S.A.†	Byzantine History	1943
C. Singer, M.D., D.Litt., D.Sc., F.R.C.P.	History of Medicine	1943
H. E. Butler, M.A.	Latin	1944
T. G. Hill, D.Sc., A.R.C.S.	Plant Physiology	1946
A. E. Richardson, M.A., R.A., F.S.A., F.R.I.B.A.	Architecture	1947
M. Cary, M.A., D.Litt.	Ancient History	1947
Sir Patrick Abercrombie, M.A., F.R.I.B.A., P.P.T.P.I.	Town Planning	1948

† Fellow of the College.

DEPARTMENTS AND STAFF
(February 1948)

(The names of members of the respective Faculties are printed in SMALL CAPITALS)

FACULTY OF ARTS

Dean— Professor B. WOLEDGE
Vice-Dean—Professor J. F. LOCKWOOD
Sub-Dean— Dr. R. D. MCLELLAN

Subject	*Name*	*Status*
Anthropology	DARYLL FORDE, Ph.D.†	Professor
	J. G. Peristiany, Ph.D., D. en D.	Lecturers
	N. A. Barnicot, B.Sc.	
	W. S. S. Ladell, M.B., B.Ch. ..	Hon. Lecturer
Archæology	BERNARD ASHMOLE, M.C., M.A., B.Litt., Hon. A.R.I.B.A., F.B.A.	Yates Professor
	Prof. K. de B. Codrington, M.A.	Hon. Lecturer (Indian Art)
	F. J. Richards, M.A.....	Hon. Lecturer (Indian Archæology)
Architecture.....	H. O. CORFIATO, S.A.D.G., F.R.I.B.A., F.I.B.D.	Professor of Architecture
	Prof. A. E. Richardson, M.A., R.A., F.S.A., F.R.I.B.A.	Special Lecturer
	L. STUART STANLEY, M.A., F.R.I.B.A., M.T.P.I.	Senior Lecturer and Tutor
	H. WARREN WILSON, A.R.C.A...	Senior Lecturer (Decoration)
	Thomas Ritchie, F.R.I.B.A., A.M.T.P.I.	Senior Lecturer (Building Construction)
	R. C. White-Cooper, M.C., B.A., F.R.I.B.A.	Senior Lecturer
	S. Hyde, F.R.I.B.A.	Lecturers
	D. W. Aberdeen, B.A.(Arch.), F.R.I.B.A.	
	H. INGHAM ASHWORTH, M.A., F.R.I.B.A.	Lecturer and Studio Instructor (Construction)
	E. G. Richardson, B.A., D.Sc., Ph.D.	Hon. Lecturer (Acoustics)
	L.Copeland Watts,M.I.Mech.E., N.I.H.V.E., A.C.G.I.	Special Lecturer in Heating and Ventilation
	A. M. Foyle, B.A.(Arch.), A.R.I.B.A., A.M.T.P.I., A.M.I.Struct.E.	Studio Instructors
	S. L. Thomson, F.R.I.B.A. ..	

† Fellow of the College.

Subject	*Name*	*Status*
Architecture: Town Planning	W. G. Holford, M.A., A.R.I.B.A., M.T.P.I.	Professor of Town Planning
	A. G. Ling, B.A. (Arch.), A.R.I.B.A., A.M.T.P.I.	Senior Lecturer
	J. J. Clarke, M.A., F.S.S., L.M.T.P.I.	Special Lecturer
	F. H. Carr, A.R.I.B.A., A.M.T.P.I.	Studio Instructors
	J. D. M. Harvey, B.A.	
Celtic	*Vacant*	Hon. Lecturer
Egyptology	Jaroslav Černý, Ph.Dr.	Edwards Professor
	A. J. Arkell, M.B.E., M.C., B.Litt.	Lecturer
	Violette C. Lafleur	Hon. Museum Assistant
English	C. J. Sisson, M.A., D.Lit., D. ès L.	Lord Northcliffe Professor of Modern English Literature
	Vacant	Quain Professor
	A. H. Smith, O.B.E., M.A., D.Lit., Ph.D.	Readers
	H. Jenkins, M.A., D.Litt.	
	W. W. Greg, Litt.D., D.Lit., F.B.A.	Hon. Lecturer (Bibliography)
	Hilda M. Hulme, M.A., Ph.D.	Lecturers
	H. Winifred Husbands, M.A.	
	B. Pattison, M.A., Ph.D.	
	Winifred M. T. Dodds, M.A.	
	G. J. Kane, M.A., Ph.D.	Assistant Lecturers
	T. J. B. Spencer, B.A.	
	C. R. Quirk, B.A.	
	A. Brown, B.A.	Quain Student
	Lilian F. Haddakin, M.A.	Assistants
	Barbara G. Hardy, B.A.	
	H. Elizabeth Williams, B.A.	
	Vivian G. Salmon, B.A.	Secretary and Research Assistant
Fine Arts	Randolph Schwabe, R.W.S.†	Slade Professor
	A. H. Gerrard	Professor of Sculpture
	G. J. Charlton	Senior Lecturers
	A. Gwynne-Jones, D.S.O.	
	R. Nuttall-Smith, B.A.	Tutor, Departmental Assistant and Lecturer
	H. L. Wellington, Hon. A.R.C.A.	Lecturer (History of Art)
	Margaret Alexander	Assistants
	P. Brooker	
	Norman Janes, R.E.	
	F. Ormrod	
	V. Polunin	
	Franklin White	
	J. Wilkie, M.C.	
	F. E. McWilliam	
	Betty Tucker	Demonstrator

† Fellow of the College.

Subject	*Name*	*Status*
French	B. Woledge, M.A., D.de l'Univ.	Fielden Professor
	J. W. Jeaffreson, M.A.†	Senior Lecturers
	L. W. Tancock, Ph.D.	
	Beatrice J. Schlumberger, M.A.	Lecturers
	Colin Smith, M.A.	
	Dora Starke, M.A.	
	Elaine C.Southward, Ph.D.	Assistant Lecturers
	D. P. Walker, Ph.D.	
	A. E. A. Lequet, L. ès L., D.E.S.	
	F. J. Rongier, L. ès L.,D.E.S.	
	Eva Grunwald, B.A.	Assistants
	G. Hall, B.A.	
	J. Auffret, L. ès L.	
Geography	C. B. Fawcett, B.Litt., D.Sc.	Professor
	R. Ogilvie Buchanan, M.A., Ph.D., B.Sc.(Econ.)	Reader (Economic Geography)
	Prof. H. J. Fleure, M.A., D.Sc., Sc.D., F.R.S.	Hon. Lecturer
	A. E. Smailes, M.A.	Lecturers
	Constance P. M. Olsen, M.A.	
	E. Jones, M.Sc., Ph.D.	Assistant Lecturer
German	L. A. Willoughby, M.A., D.Lit., Ph.D.†	Professor
	K. W. Maurer, Ph.D.	Senior Lecturer
	A. T. Hatto, M.A.	Lecturers
	C. P. Magill, M.A., Ph.D.	
	Elizabeth M. Wilkinson, Ph.D.	
	Ilse W. B. Appelbaum, B.A.	Assistant Lecturers
	W. Schwarz, M.A.	
	Wilhelmine E.Delp,D. de l'Univ.	Assistant
Greek	M. T. Smiley, M.A.	Professor
	M. L. Clarke, M.A.	Reader
	R. D. McLellan, Ph.D.	Senior Lecturer
	J. H. Kells, B.A.	Lecturers
	R. Browning, M.A.	
	Margaret L. Cunningham, B.A.	Assistant Lecturers
	E. W. Handley, B.A.	
	D. J. Furley, M.A.	
Hebrew	S. Stein, Ph.D.	Goldsmid Lecturer
	N. M. Sarna, M.A.	Assistant Lecturer
	L. Jacobs, B.A.	Assistant
History: English	J. E. Neale, M.A.†	Astor Professor
	S. T. Bindoff, M.A.	Reader
	A. R. M. Carr, M.A.§	Assistant Lecturers
	H. M. Colvin, B.A.	
	J. Crompton, B.A.	
„ : **London**	T. F. Reddaway, M.A., F.S.A.	Reader
„ : **Dutch**	G. J. Renier, Ph.D., Phil.Lit.cand.†	Professor

† Fellow of the College.
§ Fellow of All Souls College, Oxford.

Subject	*Name*	*Status*
History : Modern French	A. B. C. Cobban, M.A., Ph.D. . .	Reader
„ : American	H. Hale Bellot, M.A.†	Commonwealth Fund Professor
	R. A. Humphreys, O.B.E., M.A., Ph.D.	Reader
„ : Ancient .	A. H. M. Jones, M.A., F.B.A. .	Professor
	Margaret S. Drower, M.B.E., B.A.	Lecturer
„ : Evening School	*Vacant*	Tutor
Italian	Roberto Weiss, B.A.	Professor
	A. M. Bassani, Sc.D.	Lecturer
	Jean H. M. Adams, M.A. . . .	Assistant Lecturer
Latin	J. F. Lockwood, M.A., Ph.D. .	Professor
	M. L. Clarke, M.A.	Reader
	R. D. McLellan, Ph.D.	Senior Lecturer
	J. H. Kells, B.A.	Lecturers
	R. Browning, M.A.	
	Margaret L. Cunningham, B.A..	Assistant Lecturers
	E. W. Handley, B.A.	
	D. J. Furley, M.A.	
	Joyce E. Lowe, M.A.	Assistant
Librarianship	Raymond Irwin, M.A., F.L.A.	Director
	John Wilks, M.A., F.L.A.†	Assistant Director
	Mary Piggott, B.A., F.L.A. . .	Lecturers
	R. Staveley, B.A., F.L.A. . . .	
	F. C. Francis, M.A., F.S.A. . .	Lecturer (Bibliography)
	J. H. P. Pafford, M.A., F.L.A. .	Lecturer (University and Special Libraries)
	W. C. Berwick Sayers, F.L.A. . .	Lecturer (Public Libraries)
	L. C. Hector, M.A.	Lecturer (Palæography)
	D. L. Evans, O.B.E., B.A. B.Litt.	Lecturer (Administrative History)
	Eileen H. Colwell, F.L.A. . . .	Lecturer (Library Work with Children)
	S. M. Cockerell	Demonstrator in Bookbinding
Philology : Classical Languages	Prof. G. E. K. Braunholtz, M.A.	Lecturer
Philosophy	A. J. Ayer, M.A.	Grote Professor (Philosophy of Mind and Logic)
	S. V. Keeling, M.A., D.Lit., D. ès L.	Reader
	S. N. Hampshire, M.A.§	Assistant Lecturer

† Fellow of the College.
§ Fellow of All Souls College, Oxford.

Subject	*Name*	*Status*
Phonetics	DANIEL JONES, M.A., Dr.Phil. ..	Professor
	HÉLÈNE COUSTENOBLE, D.Lit. ..	Senior Lecturer
	D. B. FRY, Ph.D.	Reader
	Marguerite Chapallaz, B.A. ..	Lecturers
	Hyacinth M. Davies	
	P. Denes, M.Sc.	
	A. C. Gimson, B.A.	
	J. D. O'Connor, B.A.	
	J. T. Pring, M.A.	
	G. F. Arnold, B.A.	Assistant Lecturer
	Olive M. Tooley	Temporary Lecturer
	A. Dorothy Parkinson	Assistant and Secretary to the Department
Political Economy.	G. C. ALLEN, M.Com., Ph.D...	Professor
	H. TOUT, C.M.G., M.A.	Reader
	Marian E. A. Bowley, B.Sc.(Econ.), Ph.D.	Lecturers
	A. W. Stonier, M.A., D.Phil. ..	
	D. C. Hague, B.Com.	Assistant Lecturer
Psychology	Sir CYRIL BURT, M.A., LL.D., D.Sc.	Professor
	J. C. Flugel, B.A., D.Sc.	Special Lecturer
	S. J. F. PHILPOTT, M.C., D.Sc..	Senior Lecturer
	Gertrude H. Keir, M.A.	Lecturer
	J. S. Wilkie, B.Sc.	Temporary Lecturer
	E. K. Charlotte Banks, Ph.D. ..	Assistant Lecturer
	H. J. Eysenck, Ph.D.	Special Lecturer
Scandinavian Studies	A. H. SMITH, O.B.E., M.A., Ph.D., D.Lit.	Director
	E. BREDSDORFF, cand. mag. ..	Queen Alexandra Lecturer (Danish)
	I. C. GRÖNDAHL, cand. mag. ..	W. P. Ker Lecturer (Norwegian)
	N. Gyllenbåga, Dr.Fil.	Temporary Lecturer (Swedish)
	C. A. Luttrell, B.A.	Assistant Lecturer (Old Norse)
Semitic (North) Epigraphy	S. STEIN, Ph.D.	Lecturer

[The Professors of Mathematics, Dr. T. Estermann, Mr. A. C. Stevenson and Mr. T. L. Wren are also members of this Faculty.]

FACULTY OF LAWS

Dean— Professor G. W. KEETON

Vice-Dean—Professor H. F. JOLOWICZ

Sub-Dean —Dr. G. SCHWARZENBERGER

Subject	*Name*	*Status*
English Law	G. W. KEETON, M.A., LL.D. ..	Professor and Head of the Department of Laws
	D. LLOYD, M.A., LL.B.	Reader
	R. O'SULLIVAN, K.C.	Hon. Lecturer
	Vacant.....	Quain Lecturer
	R. C. FITZGERALD, LL.B., F.R.S.A.	Lecturer
	O. R. MARSHALL, B.A.	Assistant Lecturers
	M. I. ZAGDAY, Ph.D.	
	E. R. K. IVAMY, LL.B.	
	J. L. J. EDWARDS, B.A., LL.B...	
Roman Law	H. F. JOLOWICZ, M.A., LL.D. .	Professor
International Law.	G. SCHWARZENBERGER, Ph.D., Dr.Jur.	Reader
	L. C. GREEN, LL.B.	Assistant Lecturer
Oriental Laws	S. G. VESEY-FITZGERALD, M.A., LL.D.	Professor
Jurisprudence	H. F. JOLOWICZ, M.A., LL.D. .	Lecturers
	A. S. ORR, O.B.E., M.A., B.C.L.	

[The Astor Professor of English History is also a member of this Faculty.]

FACULTY OF SCIENCE

Dean— Professor W. H. Pearsall

Vice-Dean—Professor H. S. W. Massey

Sub-Dean —Mr. D. O. Wood

Subject	*Name*	*Status*
Anatomy and Embryology	*See Faculty of Medical Sciences*	
Biochemistry	*See Faculty of Medical Sciences*	
Botany	W. H. Pearsall, D.Sc., F.R.S.	Quain Professor and Director of Laboratories
	F. W. Jane, Ph.D., D.Sc.	Reader
	Vacant.....	Reader (Plant Chemistry)
	G. E. Fogg, B.Sc., Ph.D.	Lecturers
	D. J. B. White, B.Sc.	Lecturers
	P. R. Bell, B.A.	Assistant Lecturers
	P. J. Syrett, B.A.	Assistant Lecturers
	H. Tristram, B.Sc.	Assistant Lecturers
	Eily E. A. Archibald, M.Sc.....	Quain Student
Chemistry	C. K. Ingold, D.Sc., F.R.S. ..	Professor and Director of Laboratories
	S. Sugden, D.Sc., A.R.C.S., F.R.S.	Professor
	C. R. Bailey, T.D., B.A., D.Sc.	Reader
	O. L. Brady, D.Sc., D.I.C., F.R.I.C.	Reader (Organic)
	H. Terrey, B.Sc.	Reader
	Kathleen Lonsdale,D.Sc.,F.R.S.	Reader (Crystallography)
	H. J. Evans, B.Sc.	Senior Lecturers
	L. F. Gilbert, B.Sc., F.R.I.C. .	Senior Lecturers
	H. G. Poole, M.Sc., Ph.D. ..	Senior Lecturers
	J. N. E. Day, M.Sc., Ph.D. ..	Lecturers
	C. A. Bunton, B.Sc., Ph.D. ..	Lecturers
	A. Maccoll, M.Sc.	Lecturers
	D. J. Millen, B.Sc., Ph.D.	Assistant Lecturers
	R. J. Gillespie, B.Sc.	Assistant Lecturers
	D. R. Goddard, B.Sc.	Temporary Assistant Lecturer
	Prof. E. D. Hughes,D.Sc.,Ph.D., F.R.I.C.	Hon. Research Associates
	G. J. Janz, M.A., Ph.D.	Hon. Research Associates
	R. S. Nyholm, M.Sc.	Hon. Research Associates
	D. P. Craig, M.Sc.	Hon. Research Associates
	C. B. Alcock	Hon. Research Assistant
	Margaret C. M. Stokes, B.A. ..	Research Assistant

Subject	*Name*	*Status*
Chemical Engineering	*See Faculty of Engineering*	
Eugenics, Biometry, and Genetics	J. B. S. Haldane, M.A., D.Sc., D. de l'Univ., F.R.S.	Weldon Professor (Biometry) and Head of Department
	L. S. Penrose, M.A., M.D., M.R.C.S., L.R.C.P.	Galton Professor (Eugenics)
	H. Grüneberg, Ph.D., M.D. ..	Reader (Genetics)
	H. Kalmus, M.D., D.Sc.	Lecturer (Eugenics)
	Julia Bell, M.A., F.R.C.P., M.R.C.S.	Hon. Research Associate (Eugenics)
	Helen Spurway, Ph.D.	Hon. Research Assistant (Genetics)
	Sarah B. Holt, B.Sc., Ph.D. ..	Research Assistants (Eugenics)
	M. Noel Karn, M.A.	
	Sylvia D. Lawler, M.B., B.S. ..	Hon. Research Assistant (Eugenics)
	C. A. B. Smith, M.A., Ph.D. ..	Assistant Lecturer (Eugenics)
	Myrtle J. Bird, Ph.D.	Assistant Lecturer (Biometry and Genetics)
Geology	S. E. Hollingworth, M.A., D.Sc.	Yates-Goldsmid Professor
	L. J. Chubb, M.Sc., Ph.D.	Senior Lecturer
	T. Barnard, B.Sc., Ph.D.,D.I.C.	Assistant Lecturers
	J. G. Capewell, B.Sc.	
	M. K. Wells, M.Sc.	
	R. G. S. Hudson, D.Sc.	Hon. Lecturer
	E. Joan Turner, B.Sc.	Museum Assistant
History and Philosophy of Science	H. Dingle, D.Sc., D.I.C., A.R.C.S.	Professor
	D. McKie, D.Sc., Ph.D.	Reader
	E. Ashworth Underwood, M.A., B.Sc., M.D., D.P.H., F.L.S.	Hon. Lecturer
	A. Armitage, M.Sc., Ph.D.....	Lecturers
	A. C. Crombie, B.Sc., Ph.D. ..	
	N. H. de V. Heathcote, B.Sc., Ph.D.	
Mathematics	H. S. W. Massey, M.Sc., Ph.D., F.R.S.	Goldsmid Professor and Head of Department
	H. Davenport, M.A., Sc.D., F.R.S.	Astor Professor
	T. L. Wren, M.A.	Reader (Geometry)
	L. S. Bosanquet, M.A., D.Phil., D.Sc.	Readers
	T. Estermann, D.Sc., D.Nat.Sc.	
	A. C. Stevenson, M.Sc.	

Subject	*Name*	*Status*
Mathematics (*cont.*)	H. T. JESSOP, T.D., M.Sc.	Senior Lecturer (Mechanics)
	C. C. L. Gregory, M.A., D.I.C., F.R.A.S.	Senior Lecturer (Astronomy)
	J. W. Archbold, M A.	Lecturers
	D. R. Bates, M.Sc.	
	R. A. Buckingham, B.A., Ph.D. .	
	E. H. S. Burhop, B.A., M.Sc., Ph.D.	
	J. C. Gunn, M.A.	
	F. C. Harris, M.Sc., Ph.D.	
	H. Kestelman, M.Sc.	
	CONSTANCE M. RIGBY, M.A., Ph.D.	
	L. A. Wigglesworth, M.Sc.	
	C. A. Rogers, B.Sc.	Assistant Lecturers
	H. G. Eggleston, M.A.	
	R. Capildeo, M.Sc.	
	C. C. H. Barker, B.Sc.	Demonstrators
	A. Fundaminsky, B.Sc.	
	F. C. Ledsham, B.Sc.	
	S. N. Milford, B.A., B.Sc.	
	H. Halberstam, B.Sc.	
Physics	E. N. DA C. ANDRADE, D.Sc., Ph.D., F.R.S.†	Quain Professor and Director of Laboratories
	D. O. WOOD, M.Sc., A.R.C.S. ..	Deputy Director and Senior Lecturer
	R. E. GIBBS, D.Sc.	Reader and Superintendent of Senior Laboratories
	G. B. BROWN, M.Sc., Ph.D. ..	Reader
	R. C. BROWN, Ph.D.	Senior Lecturer
	C. DODD, Ph.D.	Lecturers
	W. E. DUNCANSON, Ph.D., D.Sc.	
	R. K. Eisenschitz, Dr.Phil.	
	G. R. Heyland, B.Sc.	
	G. C. Curtis, M.A.	Assistant Lecturers
	J. W. Fox, B.Sc.	
	R. E. Jennings, B.Sc.	
	A. J. Kennedy, B.Sc.	
Physiology	*See Faculty of Medical Sciences*	
Statistics	E. S. PEARSON, C.B.E., M.A., D.Sc.†	Professor
	FLORENCE N. DAVID, Ph.D. ..	Lecturers
	N. L. Johnson, M.Sc.	
	H. O. Hartley, Ph.D.	
	Maxine P. M. Merrington, B.Sc.	Demonstrator and Research Assistant

† Fellow of the College.

Subject	*Name*	*Status*
Zoology and Comparative Anatomy	D. M. S. WATSON, LL.D., D.Sc., F.R.S. ‡	Jodrell Professor
	G. P. WELLS, M.A.	Reader
	Elizabeth A. Fraser, D.Sc.† ..	Hon. Research Associate
	R. B. Freeman, M.B.E., B.A. ..	Lecturers
	D. M. Ross, M.A., Ph.D.	
	D. R. Newth, B.Sc.	Assistant Lecturers
	Pauline Whitby, B.A.	
	Mary Whitear, B.Sc.....	
	K. A. Kermack, B.Sc.	Assistant Lecturer (Biological Statistics)
	A. C. Elizabeth Suley, B.A.....	Demonstrators
	Peggy E. Ellis, B.Sc.	
	Joyce Townend	Research Assistant and Secretary to Department

[The Professors of Anthropology, Archæology, Biochemistry, Chemical Engineering, Geography, Psychology, the Jodrell and Foulerton Professors of Physiology, Dr. L. E. Bayliss, Mr. A. E. Smailes and Dr. L. Young are also members of this Faculty.)

† Fellow of the College.

‡ Hon. Fellow of the College.

FACULTY OF ENGINEERING

Dean— Professor H. J. COLLINS

Vice-Dean—Professor H. E. WATSON

Sub-Dean—Mr. H. MARRIOTT

Subject	*Name*	*Status*
Civil and Municipal Engineering	H. J. COLLINS, M.C., M.Sc., M.I.C.E., M.I.Mech.E., P.P.I.Struct.E., A.M.Am.Soc.C.E.	Chadwick Professor of Civil and Municipal Engineering and Director of the Civil and Municipal Engineering Laboratories
	C. A. HART, T.D., M.Sc.(Eng.), Ph.D., A.M.I.C.E., F.R.I.C.S., A.M.I.Struct.E. †	Professor of Surveying and Photogrammetry
	P. L. CAPPER, T.D., M.Sc., A.M.I.C.E., A.M.I.Struct.E.	Senior Lecturer
	M. E. Delafield, M.C., B.A., M.B., B.Ch., L.R.C.P., M.R.C.S., D.P.H., F.R.San.I.	Special Lecturer (Hygiene)
	A. M. BALLANTYNE, B.Sc., Ph.D., A.M.I.C.E., A.M.I.Struct.E.	Lecturers
	R. C. VAUGHAN, B.Sc., A.M.I.C.E., M.I.Struct.E.	
	E. A. MISKIN, M.A., B.Sc., Am.Soc.Phot., F.R.G.S., F.R.Met.S.	
	D. A. Stewart, A.M.I.C.E., A.M.I.E.E.	Research Assistants
	R. B. Hounsfield, B.A., A.M.I.C.E., A.M.I.E.E., A.M.Inst.T.	
Mechanical Engineering	G. T. R. HILL, M.C., M.Sc.(Eng.), M.I.Mech.E., F.R.Ae.S.†	Kennedy Professor of Mechanical Engineering and Director of the Mechanical Engineering Laboratories
	B. J. LLOYD-EVANS, M.Sc., Ph.D., M.I.Mech.E.	Reader
	A. E. WEBB, B.Sc., A.M.I.C.E.	Senior Lecturer
	H. BILLETT, B.Sc.(Eng.)	Lecturer
	K. L. JACKSON, M.Sc.(Eng.), A.M.I.Mech.E., A.I.I.A.	Assistant Lecturer

† Fellow of the College.

Subject	*Name*	*Status*
Electrical Engineering	R. O. KAPP, B.Sc.(Eng.), M.I.E.E.	Pender Professor of Electrical Engineering and Director of the Electrical Engineering Laboratories
	H. E. M. BARLOW, B.Sc.(Eng.), Ph.D., M.I.E.E., A.M.I.Mech.E.†	Professor
	C. W. BAYLISS, M.A., A.M.I.E.E.	Senior Lecturer (Electrical Machinery)
	H. MARRIOTT, B.Eng., B.Sc.(Econ.), A.M.I.E.E.	Lecturer
	A. L. CULLEN, B.Sc.(Eng.), A.C.G.I.	Lecturer
	Prof. J. T. MacGregor-Morris, D.Sc.(Eng.), M.I.E.E.†	Hon. Research Associate
	B. C. Brookes, M.A.	Special Lecturer (Presentation of Technical Information)
	A. B. Blake	Special Lecturer (Industrial Administration)
Chemical Engineering	H. E. WATSON, D.Sc., F.R.I.C., M.I.Chem.E.†	Ramsay Professor
	M. B. DONALD, M.Sc., F.R.I.C., M.I.Chem.E., A.R.C.S.	Reader
	J. P. MULLEN, M.Eng., A.M.I.Chem.E.	Senior Lecturer
	F. A. Freeth, O.B.E., Ph.D., D.Sc., F.R.S.	Hon. Lecturers
	R. W. Lunt, M.Sc., M.Sc.(Eng.), Ph.D.	Hon. Lecturers
	P. H. CALDERBANK, B.Sc.	Assistant Lecturer

† Fellow of the College.

[The Professors of English Law, Geology, Mathematics, Physics, Professor C. K. Ingold (Chemistry), Dr. C. Dodd, Mr. H. J. Evans, Dr. F. C. Harris, Mr. H. T. Jessop, Mr. D. O. Wood and Mr. T. L. Wren are also members of this Faculty.]

FACULTY OF MEDICAL SCIENCES

Dean Professor C. Lovatt Evans
Vice-Dean—Professor F. R. Winton
Sub-Dean— Dr. J. T. Aitken

Subject	*Name*	*Status*
Anatomy and Embryology	J. Z. Young, M.A., F.R.S.	Professor of Anatomy
	G. R. de Beer, M.A., D.Sc., F.R.S., P.L.S., F.R.G.S., F.Z.S.	Professor (Embryology)
	K. C. Richardson, M.Sc.	Reader (Histology)
	W. A. Fell, M.A., M.B., B.Ch.	Senior Lecturer
	R. J. Ludford, D.Sc., Ph.D.† ..	Hon. Lecturer (Cytology)
	S. Cochrane Shanks, M.D., F.R.C.P., F.F.R.	Hon. Radiologist
	M. Abercrombie, M.A., B.Sc.	Lecturers
	J. T. Aitken, M.B., B.Ch.	
	D. H. Lodwick Evans, M.B., B.S., M.R.C.S., L.R.C.P.	
	J. Joseph, M.B., Ch.B., M.R.C.O.G.	
	W. P. Blount, F.R.C.V.S.	Hon. Veterinary Consultant
	G. Causey, M.B., Ch.B., F.R.C.S., L.R.C.P.	Assistant Lecturers
	P. Ford, B.Sc., Ph.D.	
	P. A. Ring, M.B., B.S., F.R.C.S., L.R.C.P.	
	Valerie Scotland, M.B., B.S. ..	
	R. G. Thomas, M.A., B.M., B.Ch., M.R.C.S., L.R.C.P. ..	
	C. H. A. Wedeles, L.R.C.P., M.R.C.S.	
	P. O. Bishop, M.B., B.S.	Hon. Research Assistants
	H. Jungmann, M.D., L.R.C.P., L.R.C.S., D.M.R.E.	
	June Marchant, B.Sc.	
	J. M. Sosa, M.D.	
	G. A. Thomas, B.Sc.	
	A. D. Vizoso, B.Sc.	
	Elisabeth Palmer, Ph.D.	Bibliographer and Research Assistant
	Minnie L. Johnson, B.Sc., Ph.D.	Temporary Research Assistants
	D. A. Sholl, B.Sc.	
Biochemistry	F. G. Young, Ph.D., D.Sc., F.R.I.C.†	Professor
	L. Young, Ph.D., D.Sc., A.R.C.S., F.R.I.C.	Reader

† Fellow of the College.

Subject	*Name*	*Status*
Biochemistry (*cont.*).	L. Margaret Kerly, M.A., Ph.D.	Senior Lecturer
	E. M. Crook, M Sc., Ph.D. ..	Lecturers
	G. A. Maw, Ph.D.	
	P. N. Campbell, B.Sc.	Assistant Lecturers
	S. P. Datta, B.Sc., M.B., B.S...	
	J. C. Laidlaw, M.D., M.A.	
	C. H. Gray, M.Sc., M.B., B S., A.R.C.S.	Hon. Lecturers
	A. Albert, B.Sc., Ph.D.	
	Margherita C. Bourne, B.A., M.Sc., Ph.D.	Hon. Research Associate
	Geneviève M. Audy, B.Sc. ..	Hon. Demonstrator
	Nancy Gough, B.Sc., Ph.D.....	Demonstrators
	Constance E. Work, B.A., Ph.D.	
Botany, Chemistry Eugenics, Biometry and Genetics	*See Faculty of Science*	
Pharmacology ..	F. R. Winton, M.A.,M.D.,D.Sc.	Professor
	H. O. Schild, M.D., Ph.D. ..	Reader
	F. Bergel, D.Phil.Nat., Ph.D., F.R.I.C.	Hon. Lecturer, Pharmacological Chemistry
	J. W. Trevan, B.Sc., M.B., B.S., M.R.C.S., F.R.C.P., F.R.S.	Hon. Lecturer, Pharmacology
	J. F. Danielli, Ph.D., D.Sc. ..	Hon. Lecturer, Cell Pharmacology
	A. Wilson, M.D., Ph.D., Ph.C.	Lecturer, Applied Pharmacology
	Mary F. Lockett, M.B., B.S., M.D., Ph.D., M.R.C.P.	Lecturer
Physics	*See Faculty of Science*	
Physiology	C. Lovatt Evans, LL.D., D.Sc., F.R.C.P., M.R.C.S., F.R.S.†	Jodrell Professor (Physiology), and Director of Laboratories
	L. E. Bayliss, M.A., Ph.D.....	Readers
	A. Schweitzer, M.D., D.Sc. ..	
	M. Grace Eggleton, D.Sc., M.R.C.S., L.R.C.P. †	Senior Lecturer
	R. D. Harkness, M.B., B.S., B.Sc., M.R.C.S., L.R.C.P.	Lecturers
	N. Ambache, M.A., M.R.C.S., L.R.C.P.	
	D. R. Wilkie, M.B., B.S., M.D., M.R.C.P.	Assistant Lecturers
	O. C. J. Lippold, M.B., B.S. ..	
	L. E. Mount, M.D., B.S., C.M. .	Sharpey Scholar
	Sir Stewart Duke-Elder, M.A., D.Sc., M.D., Ph.D., F.R.C.S.†	Hon. Research Associates
	M. H. L. Pirenne, Dr.Sc.	
	H. Davson, D.Sc.	
	G. P. B. Boissard	Assistant and Bayliss Starling Student

† Fellow of the College.

Physiology (*cont.*)
Biophysics Research Unit—

A. V. Hill, C.H., O.B.E., Sc.D., Hon. LL.D., D.Sc., M.D., F.R.S. ‡‡	Foulerton Professor** and University Professor
Bernhard Katz, M.D., Ph.D., D.Sc.	Henry Head Research Fellow Royal Society ; Hon. Research Associate
A. Wassermann, D.Sc., Ph.D...	Norman Collie Research Fellow, Hon. Research Associate
Prof. Lou Cherng-How, B.S., M.S., Ph.D.	Hon. Research Associate
J. L. Parkinson	Hon. Research Assistants
A. C. Downing	
E. J. Harris, Ph.D., D.I.C.	
B. C. Abbott, B.Sc.	
J. L. Mongar, B.Sc.	
V. H. Attree	

Psychology ..... *See Faculty of Arts*
Zoology and Comparative Anatomy .... *See Faculty of Science*

† Fellow of the College.
‡ Hon. Fellow of the College.
* Appointed by the Royal Society.

[The Professors of Botany, Chemistry, Eugenics, Physics, Zoology, Dr. O. L. Brady, Dr. R. C. Brown, Mr. H. J. Evans, Dr. H. Grüneberg, Dr. F. W. Jane, Mr. G. P. Wells, and Mr. D. O. Wood are also members of this Faculty.)

REPRESENTATIVES

The following have been appointed or re-appointed during the past year as representatives of the College on the various bodies named :—

Name of Body	*Governor or Representative*
Bawden Trust	Mr A. Digby Besant
Borough Road Training College	Professor C. B. Fawcett Dr. C. R. Bailey
British Institution Scholarship Fund	Professor H. O. Corfiato
Central Council, Federated Superannuation System for Universities	Mr. H. W. Claxton
Central Foundation Schools	Dr. Bruce Pattison
Chelmsford : King Edward VI Grammar School	Professor J. T. Macgregor Morris
College Hall	The Provost
Ealing Hall Association	The Provost (*ex officio*) Dr. G. B. Jeffery Mr. H. Terrey
Guildford Technical College	Professor T. G. Hill
Jevons Memorial Fund	Mr. A. Digby Besant
Joint Advisory Survey Board (Air Survey Sub-Committee)	Professor C. A. Hart
Joint Committee for Anthropological Research and Teaching	Professor Daryll Forde
London City Parochial Foundation	Mr. A. S. Holness
London Intercollegiate Scholarships Board	Mr. H. Marriott Dr. R. D. McLellan Mr. D. O. Wood
Royal Institute of British Architects : Board of Architectural Education	Professor H. O. Corfiato
St. Mark and St. John Training College	Professor J. F. Lockwood Mr. H. Terrey
St. Mary's Training College	Professor C. J. Sisson Professor D. M. S. Watson
Senate of the University	The Provost. Mr. A. Digby Besant
Stepney and Bow Foundation	Mr. J. W. Jeaffreson
Sutton and Cheam : Higher Education Committee and Sutton County School	Mr. H. Warren Wilson Dr. P. Haas
United Westminster Schools and Emmanuel Hospital Foundation	Mr. T. L. Wren
University Appointments Board	Miss Eleanor M. Megaw
Westfield College	Professor H. H. Bellot
Westminster Training College	Professor C. B. Fawcett Professor J. F. Lockwood

Members of the College have been appointed or re-appointed representatives of the University as follows :—

Professor H. O. Corfiato on the Board of Architectural Education of the Royal Institute of British Architects;

Professor A. E. Richardson on the Board of Architectural Education and on its Schools Committee of the Royal Institute of British Architects.

Professor D. M. S. Watson on the Court of Governors and Council of the Royal Veterinary College, until 1952;

Professor J. Z. Young on the Board of Management of the School of Hygiene and Tropical Medicine.

THE COLLEGE COMMITTEE

The Chairman—THE VISCOUNT SANKEY.

It was with the deepest regret that the College Committee heard of the death of Viscount Sankey on 6th February 1948, less than a year after his retirement from the office of Chairman. At its meeting in May 1947, the Committee received the following intimation from Viscount Sankey:

" Dear Mr. Provost,

I realise that I have passed the allotted span of life. Consequently, I feel I ought to make way for a younger man. I must ask you, therefore, to accept this letter as my resignation of the Chairmanship of the University College Committee.

I do so with very great regret. Will you please convey to my friends and colleagues my warm thanks for all their kindness and courtesy to me in the past years ?

Believe me,
Yours very truly,
SANKEY."

The Committee referred to the devoted service of Viscount Sankey to the College in the following unanimous resolution :—

" That the University College Committee have heard with deep regret of the resignation of their Chairman, Lord Sankey. They desire to place on record their high appreciation of the untiring service he has rendered to them during the eleven years of his Chairmanship. He has presided over the Committee during a period of critical importance to the College. The evacuation, the damage from enemy action, the death of Sir Allen Mawer and the return of the College to London with the problems of reconstruction and expansion—each raised questions both of policy and detail in dealing with which the Chairman's help and advice were invaluable and which must have imposed a heavy burden on him. His guidance during this difficult period has been of outstanding service to the College. The Committee are happy to think that though he will no longer be their Chairman

he is still an Honorary Fellow of the College and they trust that the College may for many years continue to welcome him in that capacity."

The Professorial Board associated themselves with the resolution of the College Committee at its meeting on 20th May.

The following letter was later received by the Secretary from Viscount Sankey :—

" Dear Mr. Tanner,

Many thanks for your letter of 12th May, enclosing the Resolution which the Committee of University College London, have sent to me on my retirement from the Chairmanship. Will you please express to them my most sincere thanks for their kindness, which has given one such help and pleasure ? I have always regarded the Chairmanship as one of the greatest Honours that has fallen to my lot, and one of the most pleasant.

My retirement was a real source of regret to me; however, the work with my friends and colleagues and their generous support will always remain a happy and delightful memory.

Yours very sincerely,
SANKEY."

Lord Sankey very rarely missed a meeting, and his courtesy and judicial impartiality in contentious business won the affection and respect of its members, who mourn him not only as a friend, but as one who has guided the College well in difficult times.

The College was represented at the Requiem Service by the Provost and Sir Robert Waley Cohen, Vice-Chairman of the College Committee.

Several names have been mentioned in connection with the appointment of a successor to Viscount Sankey and an announcement will be made as early as possible.

Joint Treasurer

The Committee heard with regret that Mr. A. Digby Besant wished to resign his office as Joint Treasurer at the end of February 1948. Mr. Besant is in his eightieth year and expressed a desire to hand over his work to a younger man. At the same time, Mr. Besant is giving up his Chairmanship of the Finance Sub-Committee and the duties of Vice-Chairman of the Managing Sub-Committee. Mr. Besant, who is a Fellow of the College and a past President of the Institute of Actuaries, has had a life-long interest in the College and its affairs and the Committee was relieved to know that he is to continue as an ordinary member of the above Committees and also to remain on the Investments Committee, to which his professional experience and advice have been so valuable for many years. To mark his retirement from office, Mr. Besant has made a generous gift of £600 to the College for the improvement of amenities (see page 35).

Sir Charles Bressey also resigned his membership of the College Committee in March. He joined it in 1942 and his connection with the College during the vital period of the preparation of the plans for reconstruction has been most valuable.

Dr. David Heron has succeeded Mr. Besant as Chairman of the Finance Committee. Sir Robert Waley Cohen and Dr. P. Dunsheath were elected members of the Court of Discipline. Professor H. J. Collins has succeeded Professor G. T. R. Hill as one of the representatives of the Professorial Board and serves on the Managing Sub-Committee.

CHANGES IN THE PROFESSORIAL BOARD

The following new professors have been appointed during the year :—Professor G. C. Allen (Political Economy), Professor W. G. Holford (Town Planning). The six non-professorial members were elected as follows :—Dr. Florence N. David, Dr. W. E. Duncanson, Dr. L. Margaret Kerly, Dr. B. Pattison, Dr. Constance M. Rigby and Mr. H. Terrey. Dr. A. H. Smith, Director of the Department of Scandinavian Studies, was elected to the Board under Statute 24 (4).

STUDENTS AND ACCOMMODATION

At the beginning of the current session, the Provost addressed about eight hundred freshers in the Adolph Tuck Hall at Woburn House, Tavistock Square, the meeting being held in two groups each of which filled the hall completely. The Librarian and the President of the Union afterwards gave short talks on the Library and on the facilities of the Union respectively.

The number of students who registered during the session 1946–47 was 3,254, which was an increase of 741 over the figures for the preceding session. The average age of the students remained at a much higher level than in pre-war days, a large proportion having seen National Service, either with H.M. Forces or in some other approved form. The majority of ex-Service students had Further Education and Training Grants through the Ministry of Education.

In the Faculty of Arts, women students were substantially in the majority, but while their numbers decreased from 954 to 944, there were 228 more men, making a total of 684. The number of women students in the Slade School remained roughly the same, but an increase of 23 men brought the total to 335, which is one of the highest ever recorded. The Bartlett School of Architecture students increased in numbers from 171 to 246 and the School of Librarianship had 98, most of whom were graduates taking a one year diploma course. As was to be expected, the Faculty of Science swelled its numbers of men students by 106 to 294 and there were only 15 fewer women than in the previous session. There were 198 Medical Sciences students, an increase of 39 ; owing to the large number of applicants, both men and

women students were selected by examination and interview, the men for the first time. In the Faculty of Engineering, there was an increase of 46, making the new total 190 including one woman, and in the Faculty of Laws, there were 26 women in a total of 176.

Postgraduate students increased in numbers in almost all departments and at the end of the session there were 443 altogether, including 93 women. The return to more normal conditions in London has been reflected in the additional groups of evening students, particularly in Scandinavian Studies and the History and Philosophy of Science.

The following table shows the distribution of students between the various Faculties at the end of the session 1946–47. The figures for 1945–46 are given in brackets for purposes of comparison.

	Men		Women		Total	
Faculty of Arts						
(*a*) General	283	(235)	550	(617)	833	(852)
(*b*) Department of Economics	71		55		126	
(*c*) Slade School of Fine Art	149	(126)	186	(190)	335	(316)
(*d*) Bartlett School of Architecture	148	(83)	98	(88)	246	(171)
(*e*) School of Librarianship	33	(12)	65	(49)	98	(61)
Faculty of Science	294	(188)	182	(197)	476	(385)
Faculty of Medical Sciences	140	(107)	58	(52)	198	(159)
Faculty of Engineering	189	(141)	1	(3)	190	(144)
Faculty of Laws	150	(78)	26	(14)	176	(92)
Postgraduate and Research	350	(189)	93	(70)	443	(259)
Evening	80	(30)	53	(44)	133	(74)
Total	1,887	(1,189)	1,367	(1,324)	3,254	(2,513)

The geographical districts from which the students came are given in Appendix II (page 119).

The provision of suitable accommodation for so many students, in lecture rooms and recreation rooms alike, created many problems. The only additional spaces which have been made available for academic purposes since the last report, are the Statistics Museum and Reading Room (now released from use as a temporary staff refectory), the Physics Laboratories (intemporary buildings - see page 74) and thel ower floors of 24 Gordon Square, vacated by the Universities Bureau of the British Empire in favour of the Department of Political Economy.

THE CURRENT SESSION (1947–48)

The number of students who completed their registration up to 31st January 1948 was 3,242, as compared with 3,195 at the corresponding date in 1947.

The total fee revenue, (including fees of the London County Council and Ministry of Education students) to 31st January 1948, amounted to £64,941 3*s*. 9*d*. as against £65,164 19*s*. 3*d*. at the same date in 1947.

FINANCE

Financial Year 1946–47

1. The audited accounts of the College for the year ended 31st July 1947 are appended to the report in Appendix III, page 121.

2. The Ordinary Income and Expenditure Account shows a deficit of £13,257 13*s.* 9*d.* of which £4,919 12*s.* 4*d.* relates to Medical Sciences and £8,338 1*s.* 5*d.* to General Purposes.

The division between Medical Sciences and General Purposes is necessary because separate grants are received from the University Grants Committee under those headings.

Ordinary Income and Expenditure

3. The total ordinary income of £471,552 5*s.* 11*d.* exceeded that of the previous year by £125,726 8*s.* 9*d.*, the main increases being :—

	£	
Grants	70,000	Details are given in Appendix IV, p. 130.
Fees	24,424	The number of students increased by over 700.
Appropriations from Reserve	20,310	In 1946/47 £20,000 was transferred from the General Reserve to meet increased cost of replacing obsolescent and War-damaged apparatus.
Donations and Subscriptions	5,732	

4. The total ordinary expenditure of £484,809 19*s.* 8*d.* exceeded that of the previous year by £162,805 8*s.* 7*d.*, the main increases being :—

	£	
Administration	15,938	New appointments, revision of salaries, and introduction of scheme of family allowances. All round increase in cost of purchases.
Departmental Salaries (Teaching).....	63,202	New appointments, revision of salaries and introduction of scheme of family allowances.
Departmental Grants	34,086	Increased cost of purchases and acquisition of apparatus for re-equipping of departments.

	£	
Departmental Wages	16,909	New appointments required by expansion of College activities.
Maintenance of Premises	17,386	All round increase in cost of works materials, wages, and increase in maintenance carried out.

Extraordinary Income and Expenditure

5. This section of the accounts records income and expenditure of a nature which cannot be classed as annually recurrent, but is of an unusual or special nature although not falling under Rehabilitation and Development (see para. 6), and is chargeable against College Funds.

The account shows a surplus of £40,444 12*s.* 11*d.* of which £6,353 12*s.* 2*d.* relates to Medical Sciences and £34,091 0*s.* 9*d.* to General Purposes.

The main features are :—

(a) *Income* :	£
Receipts from War Damage Commission .	408
Compensations for Temporary Occupations of buildings and site, and surveyor's fees	1,319
" Capital " Grants for Arrears of Maintenance and Equipment	39,844
Expenditure on Rehabilitation and Development in 1941–46 now written back.	13,365

These receipts (except the last item) represent in their entirety recovery of expenditure incurred in 1946/47 and previous war years.

(b) *Expenditure* :	£	
War Damage Repairs	7,226	Mainly recoverable from War Damage Commission.
Installation of Automatic Telephones ...	3,353	
Professional Fees	705	Preparing various projects.
Minor Works and Equipment	2,507	

Rehabilitation and Development Account

6. This section of the accounts records the course of operations upon the rebuilding of the College after the damage suffered during the war, the provision of temporary accommodation and developments which are projected in the Post-War Planning and Development Report.

The various projects are financed either by special Capital Grants from the Court of the University or by payments agreed with the War Damage Commission. Receipts from these sources cannot be regarded as Income of the College and are treated separately in the accounts so that a clear distinction between expenditure upon income account and upon capital account is maintained.

In this account the payments of £78,442 2*s.* 6*d.* exceeded the receipts of £48,390 0*s.* 0*d.* by £30,052 2*s.* 6*d.* but Capital Grants for nearly the whole of the items making up the deficit have since been approved by the University Court.

Balance Sheet

7. Features of special interest were :—

(a) *Liabilities.*

Reserve Funds (General and Medical and Library).—These Funds have been reduced from £63,165 to £43,657, mainly owing to the appropriation of £20,000 from the General and Medical Reserve already referred to under Ordinary Income.

Hostels Account.—The balance of £759 represented small surpluses of Hostel maintenance accounts and sums set aside for depreciation of Hostels equipment and furniture.

Treasury Loan.—£24,000. This loan has been negotiated with a total of £39,500 for the purchase and conversion of the properties in Nevern Square and Hornton Street (see under Freehold and Leasehold property) for accommodation to be leased to the staff.

Income and Expenditure Accounts.—The surplus balance at 1st August 1946 has been reduced from £16,593 2*s.* 9*d.* to £13,727 19*s.* 5*d.* as set out in the Balance Sheet.

(b) *Assets.*

Freehold and Leasehold Property.—Additions have been made to College properties during the year by the purchase of the freeholds of 1, 3 and 5 Hornton Street and the leaseholds of 37 and 38 Nevern Square for a total sum of £27,185. These premises are to be converted into accommodation for leasing to members of the College staff.

GRANTS AND LOANS TO STUDENTS

During the Session 1946–47, the following Bursaries and Loans were awarded :—

	£	s.	d.	£	s.	d.
Bursaries				737	16	0
Exhibition Bursaries				247	18	0
Morris Bursary				20	0	0
Barrow Emanuel Bursary				15	0	0
Postgraduate Bursaries				134	14	0
Loans :—						
College Loan Fund	156	0	0			
Madeline Cole Fund	10	0	0			
M. J. M. Hill Fund	20	0	0			
				186	0	0
				£1,341	8	0

The list of new donations to the Fund is given in Appendix IV. (Page 130.)

Bursaries are gifts towards maintenance ; Exhibition Bursaries are gifts towards fees. These awards are made to promising students whose circumstances are such as to make supplemental aid necessary. They are not, as a rule, given to students in their first year. Postgraduate Bursaries may be granted to graduate students to enable them to pay their fees and/or to provide, in part, for maintenance.

Loans are made on the following terms :—

(*a*) Loans during a student's career in the College do not carry interest.

(*b*) After the end of a student's career in the College, the loans carry interest at the rate of 5 per cent, except that loans from the W. W. Rouse Ball Loan Fund are free of interest.

(*c*) Loans are repayable within three years from the completion of a student's College career, unless, on the special application of the student concerned, an extension of time is granted.

(*d*) Students to whom loans are granted sign a document accepting these conditions, and in the case of students under age, their parents or guardians countersign the same undertaking.

It has been possible, up to the issue of this Report, to award the following bursaries and loans for the Session 1947–48 :—

	£	s.	d.
Bursaries	458	16	0
Exhibition Bursaries	337	0	0
Postgraduate Bursaries	390	0	0
Barrow Emanuel Bursary	15	0	0
Warr Bursary	13	0	0
Loans :—			
College Loan Fund	75	0	0
Madeline Cole Fund	10	0	0
	85	0	0
	£1,298	16	0

Loans were repaid during the Session 1946–47 as follows :—

	Capital			*Interest*			*Total*		
	£	s.	d.	£	s.	d.	£	s.	d.
Loan Fund	176	19	11	18	7	0	195	6	11
Madeline Cole Loan Fund	55	7	6	5	12	0	60	19	6
M. J. M. Hill Loan Fund		19	3	6	12	0	7	11	3
W. W. Rouse Ball Loan Fund		....			....			....	
	£233	6	8	£30	11	0	£263	17	8

Donations to the Loan Fund during the Session amounted to £20 3*s*. 6*d*. and the deposit interest was as follows :—

	£	s.	d.
Loan Fund	4	3	7
Madeline Cole Loan Fund	4	3	7
M. J. M. Hill Loan Fund	1	5	10
W. W. Rouse Ball Loan Fund	2	9	8
	£8	14	11

The Students' Loan and Bursary Fund is administered by a Committee consisting of the Provost, the Deans, the Senior Tutor, the Tutors, and the Tutor to Women Students. This Committee deals with each case on its merits and after careful investigation.

THE CRABB ROBINSON FUND

The following grants were made during the year 1946–47 :—

The Union.—To be added to the fund formed to purchase equipment for the new Sports Ground .. £150 0 0

Gower Street Students' Rooms.—Towards starting a library £15 0 0

Cartwright Gardens Students' Rooms.—Towards table tennis equipment £15 0 0

College Hall.—Towards the library £15 0 0

The following grants have already been made during the current year 1947–48 :—

The Union.—£150 to be added to the fund which is being formed for the purpose of purchasing athletic equipment.

Gower Street Students' Rooms.—£15 towards the library.

Cartwright Gardens Students' Rooms.—£15 to be spent at the discretion of the Warden on amenities for resident students.

College Hall.—£15 to be spent at the discretion of the Council on amenities for resident students.

Cartwright Gardens Slade School Students' Rooms.—£5 for the purchase of a letter rack.

THE PEEL FUND

No grants were made in 1946–47. In view of the virtual disappearance of societies for which the fund was founded almost a century ago, the Peel Committee has re-considered the objects to which the income might be devoted, and has now recommended that the interest of the Fund should be handed over annually to the National Central Libraries for the purchase of books which could be made available for adult education bodies throughout the country. The books would have a suitable label to commemorate the Peel Fund, which was founded by working men and women contributing small subscriptions in honour of Sir Robert Peel's work for the repeal of the Corn Laws.

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts :—

Mr. A. Digby Besant, Fellow of the College and Joint Treasurer :
£600, to be spent on improvement of amenities in the College.

The late Dr. Elsie V. Hitchcock, former Lecturer in English :
£500, for the purpose of endowment of a Chambers Memorial Lecture, which it has been arranged to hold triennially.

The College of Aeronautics :
a large quantity of apparatus, to the value of at least £2,000.

Miss Nancy P. Ferguson, student, Faculty of Arts, 1920–21 :

her father's collection of photographs of buildings in Europe to the Bartlett School of Architecture ; and her own collection of photographs of paintings to the Slade School.

Dr. D. H. Scott :

a number of books to the Departments of Physics and Mathematics.

The National Institute for the Deaf :

£100 towards the cost of erecting and equipping a sound insulated room for the Department of Phonetics.

Rev. Conyers Morrell :

to the Department of Egyptology, twenty-eight framed examples of Coptic textiles from Egypt (1st to 7th centuries A.D.), and one volume " Les Tapisseries Coptes " (M. Gerspach), Paris, 1890.

The Committee of the Little Plays of St. Francis :

£100 towards the College Rebuilding Fund, to be used for purposes which would assist the Dramatic Society, *e. g.*, the provision of Green Room amenities.

Mrs. F. W. Templeton :

bronze plaque of Professor Donaldson, former Professor of Architecture.

Rockefeller Foundation :

(i) A grant of up to £5,000 towards the support of the study of Medical Student selection under the direction of Professor J. Z. Young, for a five-year period beginning on 1st February 1948.

(ii) A grant of $3,500 for the purchase of equipment to be used in the Department of Biochemistry.

Professor E. J. Garwood, F.R.S. :

a collection of pamphlets and scientific papers to the Department of Geology.

COLLEGE SITE AND BUILDINGS

The Committee regrets that little visible progress has been made with the ambitious re-building scheme outlined in their last report. The early restoration of the Central Main Building is a matter of great importance to the College and vigorous steps have been taken to hasten it. Tenders have been accepted, permits granted and work put in hand throughout the year in preparation for the delivery of structural steelwork for the floors and roofs. The excavation of the area has fortunately revealed the excellent state of the foundations below ground. The interior has been cleared, old floors demolished and sources of wet and dry rot investigated. Drawings have also been prepared and materials secured for the re-instatement of the dome, an essential work needed to protect the inner timbering. Professor Richardson, the College Architect, is hopeful that in 1948 firm progress will be made by the contractors, but the Committee fears that the work will be greatly hampered by shortages of materials, particularly of steel.

Eleven of fourteen new pre-fabricated huts were brought into service

during the year. They comprise administrative offices, students' and staff refectory, a Physics laboratory, a book store, and common rooms for the academic and administrative staff and the Union. Work will begin shortly on the new Chemistry Laboratory hut in the south-east quadrangle. This area of the College has been in an almost constant state of upheaval and has had the appearance of a builders' yard for many months. A tunnel is in course of construction from the south quadrangle, passing to the east of the Central Main Building, northward to Chemistry, and will take all the steam lines running from the Foster Court boiler-house and the electric cables from the new intake room. It is intended that this tunnel shall provide for such further additions as may be necessary when the full College Building programme is completed. A new steam boiler has been ordered to replace the existing Chemistry boilers, which have been condemned.

In order to provide additional space for academic work, it was proposed to repair the remaining houses on the Gordon Street frontage. When tenders were received, however, the cost of repair was so high that, having regard to the fact that it was hoped at no very distant date to demolish these houses to make way for new College buildings, the original plans were abandoned, and only No. 19 Gordon Street has been completely repaired. It is now being used by the Department of Chemical Engineering to replace the destroyed territory which existed behind the Ramsay Memorial Laboratory. The rehabilitation of this laboratory, which has been in progress throughout the period under review, is now almost complete and has been taken over again by Professor H. E. Watson. Valuable space occupied by Chemical Engineering in the Civil and Mechanical Engineering departments since 1945 has therefore been released.

Fluorescent lighting was installed in several more departments of the College, including the Department of Biochemistry, the Slade School (for painting classes), a Bartlett School Studio and some of the concrete huts, including the new refectories. General approval has been given for the installation of new rising mains in the Department of Zoology and the replacement of obsolete switchgear in the switch-room controlling these services.

The College found itself in a difficult situation in the first three months of 1947, when the electricity cuts at one time threatened to close down the work of the College completely. Happily, this eventuality did not in fact materialise, but grave hindrance was caused to work in the laboratories and lectures were delivered in semi-darkness in many of the lecture rooms. To relieve the position in the present winter, when the load carried has been greatly increased by the electric heating of the huts, two 75 K.V.A. electrical generators were purchased through the Ministry of Supply and these were installed in the basement to the south of the Physiology building. A 300 K.V.A. Paxman set was later acquired and this is to be erected on a site to the south-west of the Physiology archway.

Consideration is being given to the provision of extra accommodation in the department of Chemistry by the erection of an additional light storey on the top of the existing building

An improvement in the teaching conditions in Foster Court was effected by the construction of insul wood ceilings and the provision of coconut matting in the corridors, thus eliminating much of the noise and disturbance to lectures.

The Committee appointed Mrs. E. M. Baker as Domestic Superintendent in September. She has undertaken a complete re-organisation of the arrangements for cleaning the College premises, and a welcome improvement in the interior appearance of many departments has already been noticed.

PRO PATRIA

The following list gives the names of those of whom information has not previously been received.

THE ROLL OF HONOUR

Coulton, R. T. (Architecture 1937–39)

Lieutenant, R.N.V.R.—Lost in H.M.S. *Neptune* when she was sunk off Benghazi in December 1941

Goronwy, J. W. (Medical Sciences 1933–34)

Captain, R.A.M.C.—Killed in action. Information dated December 1946

Hadley, E. (Arts 1941–42)

Killed. Information dated February 1948.

Newton, N. E. (Science 1941–43)

Temporary Lieutenant (Sp.), R.N.V.R.—Died on active service while based at Hong Kong, 25th April 1946

Sharp, P. D. (Engineering 1935–39)

R.A.F.V.R.—Killed. Information dated March 1947

Short, C. H. (Architecture 1920–26)

Private, Local Volunteer Defence Force.—P.O.W. in Japanese hands ; died at Thai Camp on 27th August 1943

Wynne, M. L. (Slade School 1922–23)

Deputy Inspector-General of Police, Straits Settlement.—P.O.W. in Japanese hands ; died in Sumatra, 4th April 1942

WAR MEMORIAL

The College Committee intends to perpetuate the memory of all its members and former members who gave their lives for their country in the 1939–1945 War. A War Memorial Committee was set up in November, with representatives of the College Committee,Professorial Board, Fellows, The Union and University College Hospital Medical School and it is desired to complete the Roll of Honour as soon as possible. The Committee realises that the records in its possession are still incomplete and any further information which relatives and friends are able to give will be greatly appreciated. It should be addressed to the Secretary of the College.

OBITUARY

The College Committee records with deep regret the deaths of the following persons connected with the College or its work :—

Dr. William Fielding Addey, sometime House Physician and House Surgeon, University College Hospital; student, Faculty of Medicine, 1895–1900. (20th June 1947)

Professor E. C. C. Baly, C.B.E., F.R.S., Fellow of the College, Grant Professor of Inorganic Chemistry in the University of Liverpool, 1910–32. (3rd January 1948)

Mr. Thomas Tennant Baxter, artist; student, Slade School, 1911–16, 1917–18, 1925–26. (4th November 1947)

Mr. J. B. Beadle, painter; student, Slade School, 1877–80. (13th August 1947)

Dr. Charles Bolton, C.B.E., M.D., F.R.S., Fellow of the College, formerly Director of Pathological Studies and Research at University College Hospital. (6th December 1947)

Mr. Henry S. R. Boyagian, C.I.E., A.M.I.C.E., formerly Chief Engineer of the Assam-Bengal Railway; student, Faculty of Engineering, 1896–98. (16th August 1947)

Mr. D. Cameron, A.M.I.Mech.E., Senior Assistant, Department of Engineering, 1919–42. (28th March 1947)

Colonel Sir James Richardson Andrew Clark, Bt., C.B., C.M.G., F.R.C.S.E., Bailiff Grand Cross of the Order of St. John of Jerusalem ; student, Faculty of Medical Sciences, 1872–77. (18th January 1948)

Dr. Ananda Coomeraswamy, Fellow of the College, Keeper of Indian, Persian and Mohammedan Art at the Museum of Fine Arts, Boston, U.S.A. (9th September 1947)

Lieutenant Colonel Frank Rogers Durham, C.B.E., M.A., formerly Secretary, Royal Horticultural Society and Director of Works, War Graves Commission; student, Faculty of Engineering, 1889–93. (30th March 1947)

Dr. Elizabeth Cowper Eaves, Lecturer in Physiology, University of Sheffield; student, Faculty of Science, 1906–09. (21st November 1947)

Dr. Harold Muir Evans, Fellow of the College. (28th March 1947)

Surgeon-Commander Christian Beverley Fairbank, R.N., (Retired); student, Faculty of Medicine, 1892–98, 1903–04. (23rd February 1947)

Dr. Charles J. J. Fox, B.Sc., F.R.I.C., formerly Indian Educational Service; student, Faculty of Science, 1896–1901. (8th November 1947)

Mahatma Mohandas Karamchand Gandhi ; student, Faculty of Laws, 1888–89. (30th January 1948)

Mr. John Mahan Gover, K.C., LL.D., Master of the Bench of the Middle Temple; student, Faculty of Laws, 1886–87. (18th April 1947)

Mr. Sydney E. Greenwood, artist; student, Slade School, 1913–16. (29th November 1947)

Mrs. Elizabeth Hocart; student, Faculty of Science, 1903–07, widow of Dr. A. M. Hocart, Honorary Lecturer in Anatomy, 1931–34. (2nd May 1947)

Sir Frederick Gowland Hopkins, O.M., F.R.S., former President of the Royal Society, Ramsay Trustee and Member of the Ramsay Advisory Council, 1933–45; attended lectures in the Faculty of Science, 1882–84. (16th May 1947)

Mrs. Christine Hughes (née Jolley), member of the Old Students' Association Council; student, Faculty of Medical Sciences, 1932–37; President, Women's Union Society, 1935–36, Treasurer, 1934–35. (20th November 1947)

Dr. F. A. Humphris, the distinguished radiologist; student, Faculty of Medicine, 1892–95. (17th June 1947)

Colonel E. T. Inkson, V.C.,; student, Faculty of Medicine, 1888–98. (19th February 1947)

Mr. H. Jessop, for 50 years Laboratory Steward in the Department of Zoology, under Professors Lankester, Weldon, Minchin, J. P. Hill, D. M. S. Watson; retired from service in the College, September 1929. (11th March 1947)

Dr. Henry Travers Jones, M.B., B.S., M.R.C.S., L.R.C.P., D.P.M., R.C.P.S., late Medical Superintendent, County Medical Hospital, Fulbourn, Cambridge; student, Faculty of Medicine, 1900–07. (24th June 1947)

Sir Shafa'at Ahmad Khan, Professor of Modern Indian History in the University of Allahabad; student, Faculty of Arts, 1916–17, and 1919–20. (July 1947)

Mr. Thomas Lowinsky, painter; student, Slade School, 1912–14. (24th April 1947)

Miss Mary Elizabeth Lowndes, M.A., Litt.D., author, formerly headmistress of Rosemary Hall School, Greenwich, Connecticut; student, Faculty of Arts, 1889–90. (19th March 1947)

Mr. Victor Lefebre, O.B.E., Chevalier Legion d'Honneur; student, Faculty of Science, 1909–10, 1912–14, and 1922–23; former Tufnell Scholar. (13th August 1947)

Lady Martyn, widow of Sir Henry Martyn, K.C.V.O.; student, Faculty of Medical Sciences, 1919–24. (13th March 1947)

Colonel Edward Maudsley Morphew, C.M.G., D.S.O.; student, Faculty of Medicine, 1885–89. (8th March 1947)

Dame Teresa (Eveleen) Pawle ; student, Slade School, 1907–11. (11th January 1948)

M. Henri Pinck, Ramsay Fellow, 1930–31. (18th November 1947)

Miss E. E. Quick, Member of the staff of the Department of Phonetics, 1922–37 ; student, Faculty of Arts, 1913–20. (17th June 1947)

Mr. Jacques Roston, managing director of the Linguaphone Institute ; benefactor of the College and founder of the Roston Scholarships. (27th December 1947)

Mr. Alfred Sharp, Library Beadle, for 20 years in the service of the College, 1927–47. (28th March 1947)

Surgeon-Captain Arthur I. Sheldon, R.N. ; student, Faculty of Medicine, 1894–1900. (25th December 1947)

Sir Bernard Spilsbury, former Home Office pathologist; research student, Faculty of Medical Sciences, 1927–28; occupied a research laboratory in the Department of Physiology, 1928–47. (17th December 1947)

Professor A. W. Stewart, Research student, Faculty of Science, 1903–07, 1851 Exhibition Scholar, 1903 ; Carnegie Research Fellow, 1905–08. (July 1947)

Mrs. Eunice E. Tiedeman (*née* Hocking) ; student, Faculty of Arts, 1902–10 ; Secretary, Women's Union Society, 1908–09, Treasurer, 1909–10. (28th January 1948)

Mr. Philip Vos, K.C. ; student, Faculty of Science, 1907–08. (6th January 1948)

Dr. Courtenay Charles Weeks; student, Faculty of Medicine, 1890–95. (26th October 1947)

Surgeon Rear-Admiral Sir George Welch, K.C.M.G., C.B.; student, Faculty of Medicine, 1876–80. (26th October 1947)

Professor A. N. Whitehead, O.M., Professor of Philosophy at Harvard University ; Lecturer in Applied Mathematics, 1911–12 ; Reader in Geometry, 1912–14

FELLOWS

The following appointments were made of Honorary Fellows and Fellows of the College :—

Honorary Fellows

Sir Henry Hallett Dale, O.M., G.B.E., M.A., M.D., F.R.C.P., F.R.S., Chairman of the Wellcome Trust; formerly President of the Royal Society.

Professor Archibald Vivian Hill, C.H., LL.D., Sc.D., D.Sc., F.R.S., Foulerton Professor of Physiology (Biophysics Research Unit), University College London.

Professor David Meredith Seares Watson, LL.D., D.Sc., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy, University College London.

Fellows

Sir William Stewart Duke-Elder, K.C.V.O., M.A., D.Sc., M.D., Ph.D., F.R.C.S., Surgeon Oculist to H.M. The King.

Dr. Marion Grace Eggleton, D.Sc., M.R.C.S., L.R.C.P., Senior Lecturer in Physiology, University College London.

Professor Cecil Augustus Hart, T.D., M.Sc. (Eng.), Ph.D., A.M.I.C.E., F.R.I.C.S., A.M.I.Struct.E., Professor of Surveying and Photogrammetry, University College London.

Professor William Arthur Edward Karunaratne, M.D., Professor of Pathology and Dean of the Faculty, Ceylon Medical College.

Mrs. Philippa Parry Martin, M.S., F.R.C.S., Ophthalmic Surgeon; formerly Hunterian Professor, Royal College of Surgeons.

Major-General Leslie Burtonshaw Nicholls, C.B., C.B.E., A.M.I.E.E., formerly Chief Signals Officer, Supreme Headquarters, Allied Expeditionary Force ; Director of Cable and Wireless, Ltd.

Mr. Alec Walter George Randall, C.M.G., O.B.E., B.A., H.M. Ambassador to Denmark.

Professor Gustaaf Johannes Petrus Renier, Ph.D., Phil.Lit.Cand., Professor of Dutch History and Institutions, University College London.

Professor Randolph Schwabe, R.W.S., Slade Professor of Fine Art, University College London.

HONOURS AND APPOINTMENTS

PAST AND PRESENT STUDENTS AND OTHER PERSONS CONNECTED WITH THE COLLEGE

The following are among the honours and appointments of which information has been received.

King's Birthday Honours 1947

G.C.S.I.	Colonel H.H. the Maharaja Jam Singh of Nawanagar. (Former Student—Indian Civil Service Course.)
C.B.	Mr. Benjamin Honour, Principal Assistant Solicitor, Office of H.M. Procurator-General and Treasury Solicitor (Former Student).
	Dr. E. T. Paris, Principal Director, Scientific Research, Ministry of Supply (Fellow).
C.M.G.	Mr. H. G. Gee, Assistant Secretary, Ministry of Labour and National Service (Former Student).
C.B.E.	Mr. S. L. G. Beaufoy, Assistant Secretary, Ministry of Town and Country Planning (Former Student).
	Mr. Oscar F. Brown, Assistant Secretary, Department of Scientific and Industrial Research (Former Student).
	Professor James Andrew Gunn, Chairman, British Pharmacopaeia Committee (Former Student).

O.B.E. ..... Mr. R. W. Bastin, District Magistrate, Mymensingh (Former Student).
Mr. John Walker, First Secretary, Madrid Embassy (Former Student).
Mr. William T. Fraser, Assistant Chief Architect, Ministry of Works (Former Student).
Mr. Winston E. Holt, Chief Inspector of Education, Nigeria (Former Student).
Mr. Rampersad Neerunjun, Magistrate, Industrial Court, Mauritius (Former Student).
Professor Frederick Norman, Professor of German, King's College London (Fellow ; formerly Reader in German, University and King's Colleges).

New Year Honours 1948

G.C.I.E. ..... Sir Hugh Dow, Governor of Bihar. (Former Student)

G.B.E. ..... Sir Edward Mellanby, Secretary, Medical Research Council. (Ramsay Trustee)

K.C.M.G. ..... Mr. G. G. M. Vereker, H.M. Ambassador at Montevideo. (Former Student)

K.B.E. ..... Sir James Colquhoun Irvine, Principal and Vice-Chancellor, University of St. Andrews. (Ramsay Trustee)

Knighthoods .... Colonel David Clyde, Surgeon General, Bengal. (Former Student)
Mr. Justice L. C. Horwill, Puisne Judge,High Court of India, Fort St.George, Madras. (Former Student)
Mr. John Parkinson, Physician, Cardiac Department, London Hospital. (Former Student)

C.B. ..... Air Vice-Marshal P. C. Livingston, R.A.F. (Former Student)
Colonel (Temporary Major-General) C. E. Pert, Probyn's Horse. (Former Student)

C.M.G. ..... Mr. L. H. Lamb, British Minister at Nanking. (Former Student)

C.I.E. ..... Dr. R. E. M. Wheeler, Director-General of Archæology in India. (Fellow)

C.B.E. ..... Lieut.-Colonel A. E. Evans. Medical Chancery Visitor, Royal Courts of Justice. (Former Student)
Dr. H. E. James, Ministry of Health. (Former Student)
Professor Ida C. Ward, School of Oriental and African Studies. (Former Student and Senior Lecturer)

O.B.E. ..... Mr. A. L. Griffiths, Silvicultural Research Officer, Dehra Dun. (Former Student)
Mr. A. S. Hartrick, Artist. (Former Student)
Mr. V. C. Matthews, H.M. Collector of Customs. (Former Student)
Mr. C. G. Phillips, Ministry of Civil Aviation. (Former Student)
Miss L. M. Rendel, Director of Caldecott Community. (Former Student)
Mr. B. Spence, Architect, "Enterprise Scotland, 1947" Exhibition. (Former Student)

O.B.E.	Mr. M. N. F. Stewart, First Secretary, British Embassy, Rome. (Former Student) Mr. F. L. Thompson, County Planning Officer, Essex. (Former Student) Mr. H. Whipp, Public Health Engineer, Bihar. (Former Student)
King's Police and Fire Services Medal	Major G. W. R. Hearn, First Assistant Chief Constable, Staffordshire Constabulary. (Former Student)
Kaiser-i-Hind Gold Medal	Mr. R. W. Thomas, Medical Superintendent, Baptist Missionary Hospital, Palwal Punjab. (Former Student)

Other Honours and Appointments

Abercrombie Sir Patrick (Former Professor)	(i) Appointed by the Colonial Office to make a development survey of Cyprus (ii) Professor Emeritus
Acomb, Mr. H. W. (Former Lecturer)	Head of Administrative and Inspectorate Section, Education Branch, Allied Control Commission, Germany and Austria
Andrade, Professor E. N. da C.	(i) Holweck Prize at the instance of the Societé Française de Physique (ii) Representative of the Royal Society at Chitenay in the Department of Loir-et-Cher, marking the 300th Anniversary of the birth of Denis Papin, one of the inventors of the steam engine (iii) Foreign Secretary, Physical Society (iv) Chairman, Newton Letters Sub-Committee, Royal Society (v) Chairman, Library Committee, Royal Society (vi) Manager, Royal Institution (vii) Member of Council, Royal Society of Arts (viii) Vice-President, Parliamentary and Scientific Committee (ix) Chairman, Crystal Structure Sub-Committee, Ministry of Supply (x) Member, Physics Committee, British Iron and Steel Research Association
Arber, Dr. Agnes (Fellow)	Linnean Medal, 1948.
Barcroft, Professor H.	Professor of Physiology, St. Thomas' Hospital Medical School
Barlow, Professor H. E. M.	(i) Member, Telecommunications Advisory Board, Ministry of Supply (ii) Member, Governing Body, Woolwich Polytechnic
Baynes, Professor Norman H. (Fellow; Professor Emeritus)	(i) Honorary Fellow, New College, Oxford (ii) Presentation of a bound copy of the 'Journal of Roman Studies (1947)' by the Society for the Promotion of Roman Studies.

Beaufoy, Mr. S. L. G. (Former Student)	Director of Technical Services, Ministry of Town and Country Planning
Beeby, Dr. C. E. (Former Student) . .	(i) Leader, New Zealand delegation, general conference of U.N.E.S.C.O. (ii) Deputy Director-General, U.N.E.S.C.O.
Bellot, Professor H. H.	(i) Member, Council, Westfield College for 3 years ending 31 August 1950 (ii) Representative of the Academic Council Committee on the Organisation and Administration of Schools of the University 1947–48
Best, Professor C. H. (Former Research Student)	Honorary Degree of D.Sc., University of Oxford
Bickley, Dr. W. G. (Former Student)	Professor of Mathematics, Imperial College of Science and Technology, London
Bosanquet, Dr. L. A.	Secretary, London Mathematical Society
Bradley, Mr. W. (Former Student)	Professor of Colour Chemistry and Dyeing, The University of Leeds
Briggs, Colonel N. (Former Student)	Honorary Surgeon to H.M. the King
Butler, Mr. F. H.C. (Former Student)	Director and Secretary, Council for the Promotion of Field Studies
Butler, Professor H. E. (Professor Emeritus)	Honorary Degree of D.Lit., University of London
Cadbury, Mr. G. (Former Student). .	Part-time Member, Docks and Inland Waterways Executive, Ministry of Transport
Carr, Mr. Thomas J. (Former Slade Student)	Associate of the Royal Society of Painters in Water Colours
Carr-Saunders, Sir Alexander (Former Student)	Chairman of Commission appointed by the Colonial Secretary to enquire into the development of University Education in Malaya
Cheng, Dr. Tien Hsi, H.E. the Chinese Ambassador (Fellow)	Member, Council of the Society of Comparative Legislation
Chibnall, Professor A. C. (Former Research Student and Hon. Demonstrator)	Member, Agricultural Research Council
Collins, Professor H. J.	(i) Member, Water Pollution Research Board (ii) Member, Professional Engineers' Appointments Board (iii) Member, Engineering Joint Council
Combridge, Mr. J. T. (Former Student)	Registrar, King's College London
Corfiato, Professor H. O.	Honorary Fellow, British Institute of Decorators
Cripps, Sir Stafford (Fellow)	(i) Minister for Economic Affairs (ii) Chancellor of the Exchequer.
Dale, Sir Henry (Former Sharpey Scholar)	(i) Honorary Foreign Member, Royal Flemish Academy of Medicine for Belgium (ii) Honorary Degree of LL.D., University of St. Andrews
Daly, Professor I. de Burgh (Former Assistant)	Director, Institute of Animal Physiology

Davies, Mr. W. H.	Professor of Classics, University College Aberystwyth
Dingle, Professor H.	Chairman, Library Committee, Royal Institution
Drummond, Sir Jack (Former Professor)	(i) Commander, Civil Division, Order of Orange Nassau (ii) Member, Committee on Food Standards, Ministry of Food
Duke-Elder, Sir Stewart	Member, Court of Examiners, Royal College of Surgeons.
Duncan, Professor W. J. (Former Student)	Fellow of the Royal Society
Durbin, Mr. E. F. M. (Former Research Student ; Ricardo Scholar and Assistant)	Parliamentary Secretary, Ministry of Works
Edwards, Mr. J. L. J.	Harmsworth Law Scholarship and McMahon Laws Studentship at St. John's College, Cambridge
Ellenby, Mr. C. (Former Student) ..	Degree of D.Sc., University of London
Ellis-Fermor, Dr. Una M. (Former Student)	Hildred Carlisle Professor of English Literature, Bedford College, London
Engeldow, Sir F. (Former Student)	Chairman, Food Investigation Board, Dept. of Scientific and Industrial Research
Evans, Dr. B. Ifor (Fellow)	(i) Lecture tour in Canada on behalf of the Commonwealth Relations Office (ii) Public Orator, University of London
Fawcett, Professor C. B.	Representative of the University at the 51st Annual Meeting of the American Academy of Political and Social Science, Philadelphia, April 1947
Fielding, Dr. Una (Former Reader)..	Assistant Professor of Anatomy, University of Alexandria
Fish, Dr. E. W. (Former Student) .	Fellow in Dental Surgery, Royal College of Surgeons of England. (One of the first eighteen elected)
Francis, Mr. F. C.	Keeper, Dept. of Printed Books, British Museum
Friedmann, Dr. W.	(i) Degree of LL.D., University of London (ii) Professor of Law, University of Melbourne
Gaitskell, Mr. H. T. N. (Former Head of the Department of Political Economy)	Minister of Fuel and Power
Galbraith, Professor V. H. (Former part-time Lecturer)	Regius Professor of Modern History, University of Oxford
Garry, Professor R. G. (Former Research Student)	Regius Professor of Physiology, University of Glasgow
Gasser, Dr. A. H. (Former Research Student)	Honorary Degree of D.Sc., University of Oxford
Gold, Mr. J. (Former Student)	Senior Legal Adviser, International Monetary Fund
Green, Mr. L. C.	Secretary, British Branch, International Law Association
Greenwood, Professor Thomas (Former Student)	Professor of English Literature and Civilisation, University of Montreal

Gridley, M. R. (Former Student)....	Head of Science Dept., Mid-Essex Technical College
Haldane, Professor J. B. S.	Honorary Degree of Docteur de l'Université (Paris)
Hart, Professor C. A.	(i) Chairman, Survey Council Committee and Education Committee, Royal Institution of Chartered Surveyors (ii) Member, Ministry of Supply Air Photography Research Committee (iii) Member, War Office Joint Advisory Board, Air Survey Committee (iv) Reporter, International Association for Geodesy and Geodetics (v) Member, Educational Board, International Society of Photogrammetry (vi) Member, Field Survey Association (vii) Member, Editorial Board, International Photogrammetric Journal 'Photogrammetria' (viii) Member, Geodesy Sub-Committee, National Committee for Geodesy and Geophysics
Hastings, Dr. Somerville (Former Student)	Member, British Parliamentary Delegation to Rumania
Heron, Dr. David (Fellow)	President, Royal Statistical Society
Hill, Professor A. V.	(i) Honorary Foreign Member, Royal Flemish Academy of Medicine for Belgium (ii) American Medal of Freedom with Silver Palm
Hill, Air Marshal Sir Roderic (Fellow)	Air Chief Marshal
Holford, Professor W. G.....	(i) Planning Consultant, Ministry of Town and Country Planning (ii) Planning Advisor, Cambridgeshire County Council
Humphreys, Dr. R. A.	(i) Invitation from the University of Michigan to deliver a course of lectures in Latin-American History during the long vacation (ii) Corresponding Member, Argentine National Academy of History
Ince, Sir Godfrey (Fellow)	Member, Government Economic Planning Board
Jane, Dr. F. W.	Advisory work on Forests and Timbers in the Gold Coast at the request of the principal trading companies of West Africa.
Jarvis, Professor J. J. (Former Student)	Emeritus Professor, University of Leeds
Jeaffreson, Mr. J. W.	Chevalier de la Legion d'Honneur
Jenkinson, Mr. Hilary (Former Assistant)	(i) Deputy Keeper of Public Records (ii) Member, Royal Commission on Historical Manuscripts.
Jones, Professor A. H. M.	Fellow, British Academy
Jones, Dr. A. Trevor (Former Student)	Senior Administrative Medical Officer, Welsh Regional Hospital Board

Kapp, Professor R. O.	Representative of the University on the Governing Board of Northampton Polytechnic
Keen, Dr. B. A. (Fellow)	Director, East African Agricultural and Forestry Research Organisation.
Keeton, Professor G. W.	(i) Chairman, University Extension Committee (ii) Re-appointed representative on Senate Joint Advisory Committee on Tutorial Classes—1st Jan. 1948 to 31st December 1949
Kirkaldy, Dr. J. F. (Former Demonstrator)	Reader in Geology, Queen Mary College London
Krishna Menon, Mr. V. K. (Former Student)	High Commissioner for India
Light, Mr. A. C. (Former Student)..	Professor of Design, School of Architecture, Auckland University College, New Zealand
MacDonald, Dr. George (Former Student)	University Professor of Tropical Hygiene, London School of Hygiene and Tropical Medicine
McEwen, Mr. Ewen G. (Former Student)	Professor of Engineering, Faculty of Agriculture, King's College, Newcastle-on-Tyne
McKie, Dr. D.	(i) Consulting Editor of *Chymia* (ii) Corresponding Member, Academie Internationale des Sciences Historiques (iii) Corresponding Member, Genootschap voot geschiedenis der Geneeskunde, Wiskunde en Natuurwetenschappen, Leiden
Maclagen Dr. N. F.	Professor of Chemical Pathology, Westminster Hospital Medical School.
Masson, Dr. J. I. Orme (Fellow ; (Former Reader)	Honorary Degree of LL.D., University of Edinburgh
Maufe, Mr. E. (Former Student) ...	Royal Academician
Mortimer, Mr. R. S. (Former Student)	Sub-Librarian, The University of Leeds
Murray, Dr. Margaret M. A. (Former Research Student)	Professor of Physiology, Bedford College, London
Neale, Professor J. E.	Invitation from the British Academy to give the Raleigh Lectures in 1948
Nicholls, Major-General L. B. (Fellow)	(i) Director of Cable and Wireless Limited (ii) Appointed to plan the development of civil communications in the Middle and Far East
Odey, Mr. G. W. (Former Student).	M.P. for Howdenshire Division (East Yorkshire)
Oldman, Mr. C. B. (Former Student)	(i) Principal Keeper in the Library, British Museum (Department of Printed Books) (ii) Member, Council, Central Music Library
Paris, Dr. E. T. (Fellow)	American Medal of Freedom

Pearson, Professor E. S.	American Medal of Freedom with the Bronze Palm.
Poste, Group Captain H. R. G. (Former Student)	Member of the Royal Victorian Order (4th Class)
Prideaux, Dr. J. F. E. (Former Student)	Director-General of Medical Services, Ministry of Pensions
Pye, Dr. D. R. (Provost)	(i) King Haakon VII Liberty Cross awarded by H.M. the King of Norway (ii) Member, Education Advisory Committee, Royal Air Force.
Rabin, Dr. C. (Former Student)....	Cowley Lecturer in Post-Biblical Hebrew, University of Oxford
Rajapakse, Dr. Louis (Former Student)	Minister of Justice in the first Cabinet of the Government of Ceylon
Renier, Professor G. J.	(i) Officer of the Order of Orange Nassau (ii) Corresponding Member of the Royal Academy of Sciences of Amsterdam
Richardson, Professor A. E.....	Professor Emeritus
Robinson, Sir Robert (Former Professor)	(i) Nobel Prize in Chemistry, 1947 (ii) Honorary Degree of LL.D., University of Glasgow (iii) Member of the United Kingdom Committee of U.N.E.S.C.O. (iv) Franklin Medal of the Franklin Institute, U.S.A. (v) Albert Medal of the Royal Society of Arts
Salisbury, Sir Edward (Fellow ; Former Professor)	(i) Member, Advisory Council on Scientific Policy (ii) Chairman, Forest Product Research Board, Department of Scientific and Industrial Research
Sankey, Mr. F. H. P. (Former Student)	Assistant Warden, Juniper Hall Field Centre, Council for the Promotion of Field Studies
Schwarzenberger, Dr. G.	(i) Course of Lectures on International Law, University of Hamburg. (ii) Invitation to give lectures and lecture courses on International Law in the Universities of Cologne, Bonn, Tübingen and Heidelberg, April and May 1948 (iii) Member, Council, British Branch, International Law Association
Scott, Mr. N. C. (Former Lecturer).	Reader in Phonetics, University of London (School of Oriental and African Studies)
Sisson, Professor C. J.	(i) Member of Council, Malone Society (ii) Honorary Member, Modern Language Association of America
Smith, Dr. A. H.....	Secretary, Viking Society

Spencer, Professor J. F. (Former Research Student)	Professor Emeritus, University of London
Stanley, Mr. R. C. S. (Former Student)	General Secretary, Northern Rhodesia.
Starkie, Mr. W. (Former Lord Northcliffe Lecturer)	Professor of English Literature in Madrid University
Strang, Sir William (Fellow)	Joint Permanent Under Secretary, Foreign Office (German Section)
Tansley, Professor A. G. (Fellow) ..	President, Council for the Promotion of Field Studies
Taylor, Miss Margaret S. (Former Lecturer)	Borough Librarian, Merthyr Tydfil.
Tidy, Sir Henry (Former Student)..	Grand Officer in the Order of Orange Nassau
Trevan, Dr. J. W.	Abrahams Lecturer, Royal College of Physicians, 1948
Underwood, Dr. E. A.	(i) Chevalier de la Légion d'Honneur.
	(ii) Corresponding Member, Genootschap voor geschiedenis der Geneeskunde, Wiskunde en Natuurwetenschappen, Leiden
	(iii) Fielding H. Garrison Lecturer, American Association for the History of Medicine
	(iv) Guest Lecturer, History of Medicine Section, American Medical Association
	(v) Honorary Member, Alpha Omega Honor Society, U.S.A.
Walshe, Dr. F. M. R. (Fellow)	Harveian Orator, Royal College of Physicians, 1948.
Watson, Professor D. M. S.	(i) Foreign Member of the Academie Royale de Belgique, 1946
	(ii) Vice-President, Société Géologique de France
Wedgwood, The Hon. Josiah (Former Student)	Re-appointed to the Central Advisory Council for Education
Winner, Dr. Albertine (Former Student)	Member, Ministry of Health Working Party to enquire into the recruitment and training of midwives
Woodward, Dr. F. N. (Former Student)	(i) Director, United Kingdom Scientific Mission in the British Commonwealth Office, Washington
	(ii) Scientific Adviser to the British High Commissioner in Ottawa
Young, Professor F. G.	Corresponding Member of the Sociedad Argentina de Biologia
Young, Dr. L.	Professor of Biochemistry, St. Thomas' Hospital Medical School, as from 1st April 1948
Zuckerman, Professor S. (Former Student and Demonstrator)	Member, Advisory Council on Scientific Policy.

ACADEMIC STAFF AND WORK OF THE FACULTIES

FACULTY OF ARTS

Professor B. Woledge was re-elected Dean, with Professor J. F. Lockwood as Vice-Dean and Dr. R. D. McLellan as Sub-Dean and Tutor to Arts students.

Dr. A. W. Stonier (Political Economy), Dr. Hilda M. Hulme (English) and Mr. T. Ritchie, Mr. S. Hyde and Mr. R. C. White-Cooper (Architecture), were granted recognition as teachers of the University, probationary recognition being granted to Dr. C. P. Magill (German). Mr. H. Ingham Ashworth, Dr. D. B. Fry and Mr. H. Warren Wilson were elected members of the Faculty.

The problem of accommodation for the Faculty has now become more acute, in view of the expansion of many departments, as the College returned to all its normal functions. Professors' private rooms have, in several cases, been pressed into service for classroom purposes and there is little space for departmental libraries, archives and materials for teaching and research. If no additional space can be allocated to the Faculty in the near future, the pursuit of research will be gravely impeded and further development of the activities of several departments may be arrested.

The following is a brief summary of the work in the various departments, based on the reports of the professors concerned.

ANTHROPOLOGY

Dr. H. Meinhard was appointed visiting Lecturer for the Autumn Term to give a series of lectures and discussion classes on the Ethnography of Central and East Africa, in place of Professor A. R. Radcliffe-Brown. Arrangements for Dr. Fortes to complete his series of lectures and classes as a visiting Lecturer (Peoples of the Gold Coast) have been postponed to the Summer Term of this session. Dr. J. G. Peristiany completed his field-work among the Nandi-speaking peoples of Kenya for the Colonial Office and resumed work in the department at the beginning of the Spring Term.

There are 14 first year, 13 second year and 9 postgraduate and occasional students this session. Inter-collegiate arrangements with the London School of Economics, the Institute of Archæology and the School of Oriental and African Studies were continued. The department also participated in the special courses for Colonial Probationers being conducted by the University under an arrangement with the Colonial Office.

Mrs. Eva Meyerowitz's study of Akan Ritual and Tradition with reference to the Role of Gold was extended by the Horniman Trustees for a further term and will be completed by the end of the session. Mr. N. A. Barnicot, Lecturer in Physical Anthropology, collaborated in a preliminary investigation dealing with the relation of body build to food intake, efficiency of muscular work and other variables. Some investigations in skeletal physiology which were started by Mr. Barnicot in the Departments of Zoology and Anatomy were continued.

Library conditions were eased last session with the return of books from store and some progress was made in acquisitions to cover the gaps and arrears resulting from the suspension of purchases before and during the war. The special grant for book purchases made it possible to review the position as a whole and place orders for a number of books and new periodicals.

Professor Daryll Forde has been elected to the Presidency of the Royal Anthropological Institute for 1947–49 and was President of Section H (Anthropology) at the British Association meetings in Dundee in August 1947. He was invited to attend the Bissao (Portuguese Guinea) meetings of the International West Africanists Conference in December 1947.

ARCHÆOLOGY

The miniature lecture theatre in the department has been modified in such a way as to make room for the exhibition of the Gayer-Anderson classical antiquities; the Trustees of the British Museum have agreed to lend two suitable show-cases and these will be fitted as soon as the necessary skilled labour is available. The department continues to work in close contact with the British Museum, and advanced students have been granted access to collections there which are not yet open to the general public. Contacts with foreign archæologists have been renewed and strengthened; one welcome form which these took were lectures by visiting archæologists and public lectures on recent archæological discoveries were given as follows:—" Recent Discoveries at Ostia, the Port of Rome " (Dr. G. Becatti); " Recent Discoveries under St. Peter's, Rome " (Professor Enrico Josi).

Detailed photographs of antiquities taken by the department for purposes of study have attracted the notice of archæologists abroad and it has been arranged that they can acquire, by exchange, prints from departmental negatives. The University of Toronto, in particular, has acquired a large number.

A course of six public lectures on the History and Future of Museums, organised by Professor K. de B. Codrington, Honorary Lecturer in Indian Art, was given under the auspices of the department, with the approval of the Museums Association. The lecturers were chosen from various institutions, mainly museums, in England and Scotland.

BARTLETT SCHOOL OF ARCHITECTURE

For the session 1947–48, the School was compelled to restrict its intake, twenty-five first year students being admitted in Architecture and nine in Decoration. Two hundred and three applicants were unable to gain admission owing to the overcrowded state of the department. Students are distributed over the five years' course as follows :—

	Architecture				*Decoration*		*Total*
	Men		Women		Men	Women	
	(Deg.)	(Dipl.)	(Deg.)	(Dipl.)			
First Year	16	6	3	–	–	9	34
Second Year	19	18	7	4	–	12	60
Third Year	19	22	15	8	1	9	74
Fourth Year	9	8	4	2	–	–	23
Fifth Year (Atelier)	6	25	7	6	–	–	44
Special Students (Atelier)	—	—	—	–	–	–	2
							237

Students showed a keen interest in their work, but the department was hampered by lack of accommodation, inasmuch as a room for exhibitions and criticisms of students' work and a museum for the display of models, materials, ironmongery, sanitary fittings, etc., were badly needed. The shortage of accommodation applied also to the Division of Decoration, and last year it was impossible to conduct the practical classes in Sign Painting on account of lack of space. Mr. Warren Wilson reports that the high standard of work was maintained. The design of one of the Decoration students, Miss Lanzon, for the decoration of the new Refectory is in course of execution. Two third year Decoration students (Miss Hope and Miss Twigg) were responsible for the decoration of certain rooms in a Services' Club in Dorset Square. During the latter part of the last session and the beginning of this session, the School has benefited by lectures on Mural Paintings, Pottery, Colonial Architecture, etc., delivered by special lecturers.

For the first time in the history of the School, there are six post-graduate students from various Universities, working for the M.A. and one for the Ph.D. in Architecture.

The Royal Institute of British Architects' Board of Education inspected the School and in their report, they recorded the excellence of the work in the School and recommended the continuance of its

recognition for the purpose of qualifications admitting to the Associateship.

Professor W. G. Holford, formerly Professor of Civil Design in the University of Liverpool, took up his appointment as Professor of Town Planning in October. The lectures in Town Planning were given last session by Mr. A. G. Ling, who continues as Temporary Senior Lecturer. Negotiations for the acquisition of temporary accommodation in Euston Buildings for the Department of Town Planning were completed in the Autumn Term, and it is hoped that the premises will be available for evening students very shortly.

During the summer, Professor Corfiato, as the Honorary Secretary of the British group, attended a Franco-British conference of Architects at Compiègne, where it was decided to found a scholarship for students of both countries. Another scheme for the establishment of a scholarship in the U.S.A. for a student of the Bartlett School is under consideration.

Professor Corfiato gave special lectures to the Architectural Society of Birmingham and The Institute of British Decorators in London and Nottingham. Mr. David Aberdeen was awarded the Pepler Prize by the Town Planning Institute for the most distinguished paper on Town Planning. He has published a series of papers on "The Approach to Planning", "The City", "Contemporary Architecture", etc., while Mr. Foyle has published a study on "The Wilson House". Mr. R. C. White-Cooper and Mr. T. Ritchie have given a series of special lectures for the Polish School of Architecture, and Mr. Ritchie has been invited to deliver the Chadwick Lecture.

Professor Corfiato records his thanks to the Staff of the School and to members of the Faculty of Engineering, Slade School and the departments of Mathematics and Modern Languages for the valued help they gave to his students.

The Provost and Professor B. Ashmole were re-elected as representatives of the College Committee on the Architectural Education Committee.

EGYPTOLOGY

The number of students remained about the same as in the previous year—eight, of whom one came from Egypt. Enquiries especially from abroad, indicate that in future an expansion of teaching in the department can be expected. Professor Černý hopes that next year it will be possible to exhibit some part of the Egyptological Collections and that at least a small fraction will be unpacked and available for study and teaching purposes. An improvement upon the present state of affairs would be achieved, if a dry place could be provided for the cases with antiquities to be stored; the basement where they are deposited has proved unsatisfactory owing to damp and even occasional flooding.

Mr. A. J. Arkell, formerly Commissioner for Archæology and Anthropology for the Sudan Government, was appointed Lecturer.

It is hoped that his services will be of much greater value when the collection becomes available and it is possible to teach Egyptian Archæology to a greater extent.

The Edwards Library showed considerable gaps, mostly caused by enemy action. It has been possible to fill only some of them, the chief difficulty being not so much the lack of funds as the impossibility of buying books, especially when the publications in question are of foreign origin.

A gift of books for the departmental library was received from Miss V. M. Platt, who presented them from the library of her father.

ENGLISH

The following new appointments were made to the staff of the department; Mr. C. R. Quirk (Assistant Lecturer), Mr. A. Brown (Quain Student), Mrs. Barbara G. Hardy and Miss H. Elizabeth Williams (Assistants). Mrs. Vivian G. Salmon took over the post of Secretary and Research Assistant in succession to Miss Jeanne Allum, who has gone to University College, Nottingham. Mr. J. R. Brewer resigned from his post as Assistant.

The year under review has been a year of intense activity in the department, of great success in teaching, and of abounding research. Praise is due to the young staff upon whom the brunt of the teaching has fallen, under conditions which militate against successful teaching and against the pursuit of research.

The increasing pressure of applications for admission to the department has involved the personal interviewing of candidates, selected by the Tutor in consultation with the Professor. Many applicants for postgraduate study had to be rejected. The attraction of London, in particular of University College, to overseas students is a striking feature of the present time. The provision of an Assistant Tutor in the department has been of great value.

There are 212 students this session, of whom 89 are reading for honours, 47 for general and subsidiary and 41 are intermediate students. Fifty-one students took final honours in 1947, 5 obtaining first classes, including the two first places, the George Smith Studentship and a Postgraduate Research Studentship. The following special subjects are now provided for in the department: Palæography, Literary Criticism, Phonetics, Old Icelandic, Classical Background to English Literature, Anglo-Saxon Archæology. Provision has been made for five students of King's College in Palæography, and for four students of Birkbeck College in Classical Background to English Literature. Courses of lectures provided by the departments of Greek, Latin and Phonetics were designed for special and optional interests of students of English in Elementary Greek, Literary Criticism, Palæography and Phonetics. A reading course in Dante for beginners in Italian was given within the department by Mr. Spencer. Dr. Smith has given a series of inter-collegiate lectures for the whole University.

The 18 postgraduate students, 13 of whom are working for higher degrees of this University, include students from Canada, New Zealand, United States, France, India and Czecho-Slovakia. Mr. H. J. Oliver, a Senior Lecturer of the University of Sydney, was made an Honorary Research Associate during his year in the department, but the severe limitation of accommodation made it impossible to offer Mr. Oliver any proper facilities for work in the College. All members of the staff engaged on active research, the work covering the whole field of English Studies. Among the projects completed or in progress are the following : An edition of Shakespeare's *Works* with a Companion to Shakespeare Studies and a Glossary ; various works on Place-Names ; an edition of the *Ancren Riwle* ; an edition of *Beowulf* ; The Life and Works of Benlowes ; Elizabethan Music in Relation to Literature; an edition of Robert South ; a Shakespeare glossary ; an edition of *Piers Plowman.* Professor Sisson is the general editor of the *Modern Language Review* and is on the Editorial Board of *The Shakespeare Survey.* Dr. Smith is joint Editor of *London Mediæval Studies* and Methuen's *Old English Library.*

Professor Sisson gave three public lectures on Shakespeare at Stratford-on-Avon, and took part in the Second Annual Shakespeare Conference there. He also gave a series of broadcasts on Shakespeare. He also delivered the first lunch-hour lecture on " English Studies at University College " and Dr. A. H. Smith gave the second lecture on the same topic, with special reference to mediæval studies. A series of inter-collegiate lectures at King's College on " Place Names and English Studies " was also given by Dr. Smith.

The English Society, open to all members of the College, continued to be an active organisation under student management.

FRENCH

Several changes in staff have to be reported. Mme. Emilie Keller-Picard left to take up a University post in the French zone of Germany. Two new members joined the department as Assistants : M. Jean Auffret of the École Normale Supérieure and Mr. Gordon Hall, an old student of the College. Dr. Walker was given leave of absence in Paris, where he carried out research on the Literature of the Renaissance.

In October 1947 the intake of new honours students was limited to 20 and this comparatively small number made more tutorial work possible, although the total of honours students (74) still remains too high. The intermediate class showed a welcome decrease in numbers, but the number of subsidiary and general students was still very large and meant a heavy burden in oral classes and corrections. The inter-collegiate class on the Mediæval Special subject, now in its second year, continued to flourish. Invaluable help was given by the Phonetics Department, Dr. Coustenoble's class in both Historical and Modern Phonetics having been particularly appreciated.

Progress was made in the building up of the postgraduate school; in the session 1947–48, there are 15 research students, compared with

10 last year and 7 two years ago. It is hoped that the number will increase further and that a higher proportion of the staff will gradually be drawn into the direction of research.

Professor Woledge states that the French Department cannot function in a really satisfactory way until the library facilities are restored to the pre-war scale and until enough private rooms are available for tutorial work.

GEOGRAPHY

Dr. R. E. Dickinson (Reader) resigned at the close of the 1946–47 session to take up an appointment as Professor in the University of Syracuse. He came to the College in October 1928 and will be very much missed. Miss Constance P. M. Olsen has been promoted from Assistant Lecturer to Lecturer and Mr. Emrys Jones has been appointed as Assistant Lecturer. Mr. R. T. Cornish, Lecturer in Geography at Birkbeck College, has acted as part-time Lecturer in the Department during 1946–47 and again in 1947–48.

There are now 7 postgraduate students, 73 in the three years of the honours school, 17 for the general degree and subsidiary courses and 61 in the intermediate year. The department now contains the maximum numbers that can be accommodated in the senior classes.

The inter-collegiate work which was started last session is being continued. It was not possible to introduce the new schemes for B.A. Honours and B.Sc. Special in October 1947 as there was still some difficulty in obtaining identical arrangements in the Faculties of Arts and Science. The full programme of field work was resumed for the first time since 1939. Two Field Weeks were held for honours students, one in England and one in France, as well as shorter excursions.

The new maps received last session have been made available for use, though the storage chests are not yet finished. The alterations required to accommodate the extra map store have reduced by one room the space available for students' work; and the greatly increased number of students leaves the department very seriously overcrowded; in particular, there is no adequate space for the individual map work of the postgraduate and senior honours students. The greatest needs in terms of space are an adequate workroom and more accommodation for the staff.

Professor Fawcett was absent in the United States and Canada from December 1946 to August 1947, acting as Visiting Professor in the Graduate School of Geography at Clark University. He was invited to give the British-American Associations' Exchange Lecture while in America, and to visit the Geography Departments of sixteen other Universities. He was thus able to make contacts with many of the geographers. Dr. R. O. Buchanan left for New Zealand in December to act as Visiting Lecturer to the University of New Zealand, Canterbury College, from January to June 1948. In the Easter vacation Dr. Dickinson lectured in the University of Zurich on " British Geography in War and Peace ".

GERMAN

There were no major changes in the staff, but leave of absence was given to Dr. K. W. Maurer (Senior Lecturer) from March to October 1947 and to Dr. Elizabeth Wilkinson (Lecturer) for the whole of the current session. During Miss Wilkinson's absence, Dr. Wilhemine E. Delp is giving valuable assistance to the department.

The number of students, both graduate and undergraduate, keeps steadily on the increase and has almost reached the optimum number with which it is possible to cope with the present staff. A most useful development has been the resumption of contacts with German-speaking countries and a large number of first and second year students (and a few general students) took advantage of the courses held during the summer in one or other of the universities in the British Zone of Germany. Others attended for the whole summer term at Tübingen (through the courtesy of the French authorities) or at Innsbruck.

The great shortage of German books has been met to a certain extent by the purchase for the department of a considerable number from the library of the recently dissolved German League of Culture; this, and generous gifts from private sources, and a large number of modern texts acquired recently from the library of the German Academic Bureau (bought en bloc by the College last year) have made it possible to institute a regular lending service to the students, which has proved most useful. Various members of the staff have undertaken outside engagements during the session, lecturing either to College Societies or elsewhere. Professor Willoughby was honoured with the invitation to deliver the Taylorian Lecture for 1947 before the University of Oxford. Distinguished foreign visitors, particularly Professor Schirmer of Bonn and Professor Vermeil of the Sorbonne, have lectured to students, either at the invitation of the University or of the English Goethe Society. This latter meets regularly at University College and maintains a valuable link with extra-mural activities. The inter-collegiate lectures (in which the Staff of the College took an important part) were well attended. Professor Willoughby makes grateful acknowledgment of accommodation provided for lectures and seminars in the departments of Botany and Geography.

GREEK

The Department of Greek, jointly with that of Latin, has lost, by the resignations of Mr. W. H. Davies and Mrs. Elinor J. Owen, two lecturers who rendered valuable services during the past two sessions. Mr. Davies, a genuine scholar and a skilled teacher, has been elected to the Chair of Classics at the University College of Wales, Aberystwyth, whither he carries the best wishes of the department for his tenure of office. Mrs. Owen had returned to the College at no little personal inconvenience, to help both departments through a difficult period; and her ability and experience were of great advantage. As their successors, Mr. R. Browning has come from Balliol College, Oxford,

and Mr. D. J. Furley from Jesus College, Cambridge. The title of Reader has been conferred on Mr. M. L. Clarke.

Inter-collegiate lectures in Classics, inaugurated in 1946–47 with a series held at University College, in which Professor Lockwood treated of " Literary Criticism in Antiquity ", were transferred for 1947–48 to Bedford College, Professor Ashmole contributing lectures on " Greek and Roman Art and Life ".

Of postgraduate students in Greek, one has commenced work for the Ph.D. degree, and two, on taking the M.A., received appointments in the University of Birmingham, Mr. G. T. W. Hooker as Lecturer and Mrs. Edna M. Hooker as Assistant Lecturer in Greek and Latin.

Several further works on Papyrology were added to the Library.

In June, Mr. M. L. Clarke, held an attractive exhibition of Greek printed books to illustrate the progress of Greek typography from the fifteenth century onwards.

HEBREW

The number of students has increased from 16 in 1946–47 to 24 in the current session. Their distribution is as follows : Intermediate, 6; General and Subsidiary, 3; Honours, 4; Postgraduate, 11. Ten of the latter are working for the Ph.D. or M.A. degree. Five students took an active part in the weekly postgraduate seminar on Mediæval Jewish Philosophy. Two of the postgraduate students came from Palestine while one thesis, written by a candidate from South Africa, was supervised by correspondence.

In 1947, three students passed Intermediate, one the B.A. (subsidiary) and one B.A. Honours. Mr. Jacobs and Mr. Miller were awarded the Hollier and Hester Rothschild Scholarships. The department has been able to accommodate five students who wished to take Hebrew as an optional non-examination subject. With the help of Mr. Sarna and of Mr. Jacobs, the newly appointed Temporary Assistant Lecturer, it was possible to meet the needs of the increased number of students and Dr. Stein was able to devote himself with more ease to the supervision of research work, though the very wide range of subjects imposed a considerable strain on the department.

A special course on Syriac was introduced for honours students at the beginning of the session to facilitate the study of Comparative Grammar of Semitic Languages.

The department was granted an additional room in Crabb Robinson but is still almost completely deprived of its library, which was destroyed by enemy action. The few books at present available are inadequate for the various courses held in the department.

HISTORY

At the end of the session, Miss Mary E. Willis, Assistant Lecturer, left to be married and her place has been taken by Mr. J. Crompton, Oriel College, Oxford.

The Senate conferred the title of Reader on Mr. S. T. Bindoff.

Both in 1946–47 and in the current session, the department has had an unusually large number of undergraduate students including a number of occasional students and also undergraduate students from other colleges. The programme of courses in Ancient History has been revised to meet the requirements of the new syllabus for Branch I Honours History. The new syllabus enables students primarily interested in Ancient History to concentrate on that subject.

The number of postgraduate students has been rapidly increasing. In the present session there are thirty-seven research students attending the various postgraduate seminars and classes conducted by teachers of this department. The majority of these students are registered at the College; the remainder come from other colleges.

The Professor of Dutch History continued to take an active part in the work of the Department as well as contributing to the College programme of public lectures. Both at the undergraduate and post-graduate stage, the number of students specialising in this subject has continued to increase.

The Commonwealth Fund Foundation Lectures which had been suspended since 1939 were revived in the session 1946–47, and were delivered by Professor Carl B. Swisher of the Johns Hopkins University. He gave eight lectures on " The Supreme Court of the United States " in February–March.

The work of the department was handicapped by inadequate accommodation consequent on the war damage to the College. This is particularly true in London History, where it is imperative, for the restoration of the work done in pre-war days and for the realisation of the new plans to establish Diploma Courses in London History, that the London History Library should be re-established.

Dr. A. B. C. Cobban was granted leave of absence in the summer term in order to accept an invitation to be a Visiting Professor at the University of Chicago. Dr. R. A. Humphreys spent the summer vacation in America as Visiting Professor in Latin American History at the Summer School of the University of Michigan.

ITALIAN

The Barlow Lectures were delivered by Professor H. E. Butler during the Spring Term 1947 and proved a very stimulating influence. The Barlow Lecturer for the period 1948–50 will be Professor E. P. Vincent, Serena Professor of Italian Studies in the University of Cambridge. Professor Weiss delivered two lectures in Oxford on Early Humanism in Italy, these being part of a course of special public lectures organised by the Faculty of Mediæval and Modern Languages of Oxford Univsity.

The number of students in the department reading for the intermediate examination has decreased this session, chiefly owing to the new regulations. On the other hand, the number of students reading for honours has increased considerably and is very much above the

average. There are two students doing research for the degree of Ph.D. in the department, as well as some research students for the same degree from other colleges. The inter-collegiate agreement with the Italian Department at Bedford College has continued to work very satisfactorily and a special course on the background of Dante's *Paradiso* for honours students has started this term at the Warburg Institute and will continue in the Summer Term.

LATIN

The session has seen a continuation of the developments in teaching begun last year. Seminars have been extended and increased facilities for discussion and individual tuition have been afforded. The inter-collegiate arrangements for lecture courses on subjects of more general interest within the field of classical studies have become firmly established and have been a source of profit and of special interest to the students.

Research is being actively pursued by members of the department in rhetoric and formal literary criticism, in Silver Age poetry, and in Roman Comedy and Satire.

At the annual meeting of the Classical Association, Mr. M. L. Clarke delivered an address on " Rhetoric in Virgil " which was enthusiastically received; other members of the staff have given lectures to schools and other outside bodies.

SCHOOL OF LIBRARIANSHIP AND ARCHIVES

Miss Margaret S. Taylor, Lecturer in Cataloguing and Classification since 1935, resigned her post in March 1947 on appointment as Borough Librarian, Merthyr Tydfil. Her place was taken by Miss Mary Piggott, who was previously on the staff of the Lancashire County Library. Miss Piggott obtained her degree and librarianship diploma at the College in 1933 and 1934. Mr. R. Staveley has been appointed as an additional full-time Lecturer in Book Selection and Reference Work.

Of the part-time lecturers, Miss A. Elise Walker, of the Library of the Ministry of Town and Country Planning, took the place of Mr. Fullman in charge of the course on special libraries; and Mr. A. D. Roberts, Lecturer in Book Selection and Reference Work, resigned on appointment to the staff of the United Nations Library at Lake Success. Mr. S. C. Ratcliff, Lecturer in Palæography also resigned, his place being taken by Mr. L. C. Hector of the Public Record Office. Mr. D. L. Evans, also of the Public Record Office, has joined the staff and together with Mr. Hector is in charge of the new Archives Diploma Course. They are being assisted by Mr. R. H. Ellis and Mr. D. B. Wardle.

The regulations for the new Diploma in Archive Administration have now been approved by the Senate and the Diploma Course opened in October with 14 students. This is a parallel course

to that for the Librarianship Diploma and is open to graduates with a first or second class honours degree in Arts. The course was inaugurated by a public lecture delivered on 14th October by Mr. Hilary Jenkinson, to whose initiative the establishment of the course is largely due. The Provost was in the chair and Mr. Jenkinson was introduced by the Rt. Hon. the Master of the Rolls, Lord Greene. His subject was " The English Archivist : a New Profession ".

The number of students working for the Librarianship Diploma this session is 32, all of whom are graduates. There are, in addition, 11 students taking the ex-service refresher course, and 7 overseas students have been admitted, of whom three are preparing for the Diploma. There are 28 part-time or occasional students.

The admissions of full-time students have been restricted to a slightly lower figure than last year, and this, together with the expansion of staff, has made it possible to improve the facilities for teaching and to give more individual tuition.

In the Diploma Examination held in June, 31 students passed Part II and three were referred in one subject. Two part-time students passed in Part I of the examination but 14 students failed in Part II. In present circumstances, successful students have no difficulty in obtaining satisfactory posts in libraries on completion of their diploma examination.

The Sir John MacAlister Medal, which is presented annually to the student showing the best results in the Diploma Examination, was awarded to Miss Nora M. Thomas.

In order to mark the retirement of Mr. Hilary Jenkinson, a former Assistant in the School, and Miss Churchill from the joint secretaryship of the British Records Association, a sum of £200 was collected and handed to the College to found an annual prize for an Archive student, to be known as the Churchill-Jenkinson Prize. It will be awarded annually to the most distinguished Diploma candidate in Archive Administration.

PHILOSOPHY

Mr. S. N. Hampshire, Fellow of All Souls College, Oxford, was appointed Assistant Lecturer succeeding Dr. Euphrosyne Sideropoulo, Temporary Assistant Lecturer, who has resigned.

The tutorial system, on the Oxford model, has been introduced into the department. A programme of inter-collegiate lectures has been worked out with Bedford, King's and Birkbeck Colleges and the Board of the Faculty of Science has agreed to include Logic as an optional subject in the Science General Degree. A course entitled " Introduction to Philosophy " has been devised for non-specialists. Two students are working for the Ph.D. degree and one for the degree of M.A.

Professor A. J. Ayer represented University College at the centenary celebrations of the publication of the works of Boole and de Morgan

held at the University of Amsterdam in October. He delivered lectures for the Marie Gerstler Foundation at Zurich and for the Extra-Mural Departments of the Universities of Oxford and Birmingham, broadcast in the French, South American, American and Third programmes, and undertook to edit a series of books on philosophy for the Penguin publications. Mr. Hampshire broadcast twice in the Third Programme, one of his talks being repeated in the Home Service.

PHONETICS

The University has conferred the title of Reader on Dr. Hélène Coustenoble. Dr. D. B. Fry has been promoted to the grade of Senior Lecturer and Miss M. E. Chapallaz to the grade of Lecturer. Mr. G. F. Arnold, Assistant Lecturer, has been appointed as an additional member of the staff. Mrs. E. M. Gunther is giving a special course of lectures during this session.

There are two postgraduate students in the department working for higher degrees. The work of equipping the Phonetics Laboratory continues steadily in spite of delays caused by the very slow delivery of certain essential materials. Plans have already been completed for a silent and non-reverberant room which is essential for carrying out the research programme of the laboratory. It has been possible this session to accept about twenty students for a course in experimental phonetics.

Professor Jones has been doing research on the phonetics of Tamil and various other languages and Dr. Coustenoble has been continuing her work on the intonation of Spanish. Miss Chapallaz, during part of her summer vacation, has worked on the phonetics of Italian in Italy. Mr. Gimson has been engaged on research into the phonetics of Early English and Mr. O'Connor has been working on the Tyneside dialect.

During July and August, Professor Jones gave four lectures in a course organised by the British Council for their teachers from overseas and two lectures in the University of London Holiday Course for foreign students. During November and December, he gave a course of six lectures for L.C.C. teachers. Mrs. Davies lectured at a vacation course for foreign students at Eastbourne. Miss Chapallaz, Mr. Gimson and Mr. O'Connor were invited to assist in vacation courses organised by the British Council in Paris, Brussels and Denmark respectively. Miss Tooley took part in two vacation courses in Sweden on the invitation of the Swedish Education Authorities. Professor Jones gave one broadcast on the History of English Pronunciation, and four broadcasts talks on Difficulties of English Pronunciation, Dr. Fry two on Speech Communication and Hearing, and Mr. O'Connor and Miss Tooley continued their broadcast course on English Pronunciation and Intonation for the European Service of the B.B.C. Dr. Fry and Mr. Denes have been acting as consultants to the National Institute for the Deaf regarding research work in connection with Hearing Aids.

POLITICAL ECONOMY

During the year, all the rooms at 24 Gordon Square were made available to the department, and this addition to the accommodation made it possible to provide for the requirements of the additional staff and the greatly increased number of students. The large room on the ground floor was converted into a lecture room and a room on the first floor was put to use as a departmental library and reading room.

Dr. P. N. Rosenstein-Rodan, who had been acting head of the department since 1945, left to take up an appointment at the International Bank and Mr. C. M. Kennedy, Assistant Lecturer, went to a post at Balliol College, Oxford. Professor G. C. Allen, Professor of Economics in the University of Liverpool, became head of the department in April 1947 and Mr. H. Tout, of the University of Bristol, was appointed Reader in Political Economy this session. Mr. D. C. Hague came as an additional Assistant Lecturer.

No changes of importance have been made in the degree courses, except such as have naturally accompanied the changes and growth in the staff. Throughout the year, visiting lecturers from the Economic Section of the Cabinet Offices and the Central Statistical Office have given courses of lectures to students in the department. The lectures have been given by Mr. J. Stafford, Mr. J. C. R. Dow, Mr. M. Fleming, Mr. G. P. Jefferies and Miss Nita G. M. Watts. There is close collaboration between the department and the London School of Economics, Arrangements have been made with the latter to provide the advanced teaching for certain special subjects taken in the B.Sc.(Econ.), viz., Statistics, Sociology and Economic History, and other lecture courses at the School have been attended by College students.

Several students have registered for the Ph.D. and M.Sc.(Econ.). The subjects under investigation by these students have ranged from agricultural problems to international trade and public finance. A weekly postgraduate seminar has been held, attended by postgraduate students from this College and from the London School of Economics, as well as by all members of the staff.

Research is being prosecuted by the staff in the following fields : Industrial Organisation ; Cost Problems and Price Policies of Industrial Enterprises. The following researches were completed : " Problems of Planning a Village Community " (Sutton-at-Hone, Kent), in collaboration with others ; (material collected incorporated in a book by Cecil Stewart, A.R.I.B.A., plus Appendix on Some Economic Problems of Rural Planning) ; " Inquiry into the Need for Housing Subsidies, Differentiated between Areas "; Report (unpublished) to the National Federation of Housing Associations.

Professor Allen gave the following public lectures : " Problems of British Industry " in a series of lectures arranged by *The Economist* ; " The Impact of War on British Industry " in a series on " The Industrial Future of Great Britain ", arranged by the University of London in conjunction with the Institute of Bankers. Members of the staff have

completed work for the Board of Trade, Foreign Office, Colonial Office and Ministry of Works. They have also been members of committees of the Royal Institute of International Affairs and the National Institute of Economics and Social Research.

PSYCHOLOGY

The total number of students in attendance at the department of Psychology during the present session is 182. Of this number, 95 are taking Psychology as one of the subjects for the intermediate or final examinations for the B.A. or B.Sc.—a slight increase over the number so registered last year. 71 students are taking higher degrees ; and the remainder are diploma or occasional students. The proportion of students coming from overseas (of whom some are from the United States) has been even higher than in the previous year. In connection with the training of students in Child Psychology the department revived the informal child guidance work which was carried out on a small scale before the war. This has enabled demonstrations in mental testing and the clinical study of individual children to be given to those students who are hoping to qualify as educational psychologists.

SCANDINAVIAN STUDIES

Mr. E. Mesterton had leave of absence in Sweden during the first term of the current session and resigned his appointment as Lecturer on 31st December. Mrs. Ulla Andén gave the lectures in Swedish during the Autumn term and Dr. Nils Gyllenbåga succeeded Mr. Mesterton as Temporary Lecturer in Swedish in January. Mr. C. Luttrell was appointed Assistant Lecturer in Old Scandinavian.

There were no changes in the arrangements for undergraduate teaching, except that some courses for the B.A. Honours degree are now available in Old Scandinavian and Danish. Reading classes in Danish and Swedish were attended by students not reading for degrees in those subjects. There were no postgraduate students in the department.

Mr. Gröndahl is preparing a work on " Mysticism in English Literature ", to be published by the University of London Press, and Mr. Bredsdorff is completing two works which will shortly appear as a " Bibliography of Danish Literature in English Translation " (to be published by Munksgaard, Copenhagen) and " A History of Danish Literature " (to be published in English). Mr. Luttrell is working on Scandinavian Influences in Northern Middle English Literature.

Professor Francis Bull, of Oslo University, visited the College and delivered three Special University Lectures on " English Influence on Norwegian Literature " to very appreciative audiences. H.E. The

Norwegian Ambassador acted as chairman at Professor Bull's first lecture. The library has again received valuable gifts from Sweden through the good offices of Dr. O. von Feilitzen of Uppsala.

Mr. Gröndahl delivered one of the lunch-hour lectures during the Autumn Term and Mr. Bredsdorff gave a series of seven talks on Danish Literature on the B.B.C. Danish Service. Mr. Mesterton and Mr. Bredsdorff have both given courses of lectures in Cambridge during the last year under the long standing arrangement which the College has with the University of Cambridge.

SLADE SCHOOL OF FINE ART

It was with profound regret that the Slade School heard that Professor Tancred Borenius, Durning Lawrence Professor of the History of Art, would not be able to return to his duties owing to ill-health. Professor Borenius has a very distinguished record as a scholar and art historian. His numerous publications are well known and his work as Editor of the Burlington Magazine is highly appreciated by specialists. As Professor, he did invaluable service for the Slade School in London and in Oxford during the war. He was on very sympathetic terms with the students and his advice was always generously placed at the disposal of those who consulted him. As Secretary of the Board of Studies in Fine Art, also, his services were most valuable.

The title of Professor of Sculpture has been conferred on Mr. A. H. Gerrard, formerly Assistant. Professor Gerrard has rendered distinguished service to the Slade School for many years and his promotion to a Chair has given his past and present students keen satisfaction.

The lectures in the History of Art were given by Mr. Hubert Wellington. Mr. F. E. McWilliam took over the duties of part-time Assistant in Sculpture following the retirement of Mr. G. W. Meldrum. Miss Betty Tucker took the place of Mr. A. J. C. Bartlett as Assistant Demonstrator in the Theatrical Scene Painting Class. Three visiting teachers, Mr. Rodrigo Moynihan, A.R.A., Mr. W. Coldstream and Mr. Rodney Burn were asked to give periodical lessons to supplement the work of the regular staff, who found it difficult to give adequate instruction to every one of the large number of students in the life rooms. This innovation has proved useful and popular and other artists are being approached with a view to their acting as visitors in 1948. Fluorescent lighting was installed in two of the life rooms.

An important exhibition of drawings, paintings and sculpture by the Slade students, organised by the Slade Society, was held in February and March at Walker's Galleries in Bond Street. This exhibition was favourably noticed in the press and was well attended.

During the Summer Term, Mr. Nuttall-Smith, invited by the Haileybury Art Society, lectured at Haileybury College.

A number of works by Slade students, past and present, was sent on loan to South Africa for exhibition at the request of the British

Council. Similar loans were made to the Schools of Art at Glasgow and Chesterfield.

Several Slade students volunteered to decorate the Students' Hostel of the London School of Economics in Houghton Street with mural paintings. The work was efficiently carried out and the thanks of the students at the hostel have been suitably expressed. As usual, Slade students were well represented in current exhibitions, the Royal Academy, the Royal Society of British Artists, the New English Art Club, etc. .

During the session, the Drawing Materials Store was removed from the Slade Office to new quarters at the east end of the wing, the former Union Games Room having been divided into two parts. The store now serves the needs of the College as a whole and has a separate entrance in the N.E. corner of the Main Quadrangle.

FACULTY OF LAWS

Professor G. W. Keeton, Professor H. F. Jolowicz and Dr. G. Schwarzenberger were re-appointed Dean, Vice-Dean and Sub-Dean respectively. Mr. R. C. FitzGerald was granted recognition as a teacher of the University. On the recommendation of the Faculty, the College became a member of the British Co-ordinating Committee for International Studies, in June.

During the session, Dr. W. Friedmann, Quain Lecturer in Law, was granted the title of Reader in Jurisprudence in the University and then, almost immediately afterwards, was appointed Professor of Public Law in the University of Melbourne. The Faculty has also lost the services of Dr. R. H. Graveson, Reader in English Law, who was appointed Professor of English Law at King's College London. He has been succeeded by Mr. Dennis Lloyd and the following new members of the staff were also appointed :—Mr. A. S. Orr (part-time Lecturer), Mr. J. L. J. Edwards (Assistant Lecturer), and Mr. E. R. K. Ivamy (Assistant Lecturer). They were later elected members of the Faculty.

An important and popular innovation during the session was the series of lectures on Current Legal Problems delivered by members of the Faculty and outside lecturers on Thursdays at five o'clock. (See page 104.)

Among the visiting lecturers were Professor Winfield and Professor Goodhart, while Mr. Richard O'Sullivan, K.C., Honorary Lecturer in the Faculty, also lectured in this series and gave a special course of lectures on the Common Law.

For the first time in the history of the Faculty, the total number of students exceeded two hundred. This included over twenty post-

graduate students, of whom the majority were reading International Law and English Law. In addition, the Faculty now provides lectures on English Law in the Faculty of Engineering, taken by Professor Keeton and Mr. R. C. FitzGerald, and lectures on English Law and International Law for B.A. General Students, as well as lectures on English Law for B.Sc.(Econ.) students and lectures and seminars on International Law and Relations for B.Sc.(Econ.) and M.Sc.(Econ.) students taken by Dr. Schwarzenberger and Mr. Green. The teaching of International Law and Relations for the LL.B., LL.M., B.Sc.(Econ.) and M.Sc.(Econ.) is now equally shared between the teachers of the London School of Economics and of University College.

The Faculty has been able to establish a Faculty Lending Library for Laws students, the introduction of which has been greatly welcomed by the student body and which has been made possible by the assistance of the Librarian and Mr. Garside.

Professor Keeton accepted an invitation to deliver lectures on English Law in the University of Vienna during a visit lasting three weeks, and Dr. Schwarzenberger gave lectures on International Law at an International Vacation Course held in August 1947 at the University of Hamburg. Dr. Zagday delivered a public lecture to the Muslim Society of Great Britain on " Muslim Law, Foundation of Muslim Democracy."

FACULTY OF SCIENCE

Professor W. H. Pearsall has succeeded Professor E. N. da C. Andrade as Dean of the Faculty. He nominated Professor H. S. W. Massey as Vice-Dean and Mr. D. O. Wood continued as Tutor to Science Students and Senior Tutor of the College. Dr. C. Dodd was granted recognition as a teacher of the University and Dr. L. E. Bayliss and Mr. A. E. Smailes were elected members of the Faculty.

BOTANY

Dr. G. E. Fogg and Mr. D. J. B. White have been given the title of Lecturer and Miss Eily E. A. Archibald has been appointed Quain Student in Botany.

There have been no material changes in undergraduate teaching, apart from the continued expansion of courses in connection with the new Special B.Sc. Degree. Inter-collegiate courses were given on " Nitrogen Metabolism " (Professor W. H. Pearsall) and " The Living Tree " (Dr. F. W. Jane). Professor Arturi Virtanen (Nobel Laureate) of Helsinki, gave two University lectures on " The Biochemistry of

Symbiotic Nitrogen Fixation" in the department. The Blakeney Field Laboratory has been extensively used for teaching and research.

Postgraduate work is gravely handicapped by lack of laboratory space. It has been possible to provide students with only a few square feet of bench space or to accept them conditional upon their work being done mainly outside the College.

An important accession during the session has been the completion of phase-contrast equipment and of certain photographic accessories for the microscopic study of small organisms and of timber structure. Otherwise, the re-equipment of the laboratory has proceeded slowly.

Research has been centred mainly along four lines :—(i) the microbiology of soil and water organisms, (ii) plant ecology, (iii) timber structure and (iv) nitrogen and respiratory metabolism. A successful excursion to Skye and western Ross-shire was made to study mountain soils and vegetation.

The work on Timber Structure has led to much useful co-operation with the Timber Development Association, and in November Dr. Jane visited the Gold Coast in an advisory capacity at the invitation of the principal trading companies there. Mr. A. C. S. Wright of the New Zealand Soil Bureau worked for a time in the department, and one student (Miss J. Sansom) has now gone to New Zealand to work on a problem connected with forests and their soils.

Professor Pearsall has resigned the Editorship of the *Journal of Ecology* and is to become Editor of the *Annals of Botany*. In the period under review, Professor Pearsall delivered the Inaugural Lecture on "Freshwater Biology and Human Needs" for the University Biological Society in Dublin, a Chadwick Public Lecture on "Water Supply and Biology" and gave three lectures at the Wray Castle Freshwater Biological Laboratories. Dr. F. W. Jane, assisted by Mr. D. J. B. White, gave a series of lectures on Timber and helped to organise the Timber Development Association's Summer School at Cambridge. Dr. Jane also lectured at the College of Adult Education, Pendley, Herts.

CHEMISTRY

The Chemistry Department has been strengthened by the acceptance of a Lectureship by Mr. A. Maccoll, formerly Honorary Research Associate and Imperial Chemical Industries Fellow, and by the co-operation in its teaching and research of three Honorary Research Associates, Mr. D. P. Craig, Turner and Newell Fellow, and Dr. Janz and Mr. R. S. Nyholm, both Imperial Chemical Industries Fellows. Mrs. M. C. M. Stokes acted as a part-time Research Assistant until the end of February 1948.

The change-over from the old to the new B.Sc. Special Chemistry Degree Course is now complete. The wide extent to which students are optionally pursuing the continuation courses in Mathematics offered by the Mathematical Department, after having passed the

mathematics examination required for the degree, is high testimony to the educational value of these courses.

The number of research students is now about 60. The claims of individuals are often such that it is not easy to keep the numbers of postgraduates down to suit the real capacity of the department in space, equipment and supervision. The building of the new elementary laboratory, under Mr. H. J. Evans' supervision, is seriously behind schedule. The fact that a bare sufficiency of scientific equipment has been obtained despite all difficulties is due mainly to the work of Dr. Day and Dr. Poole. Professor E. D. Hughes has again given invaluable help in the supervision of research students. Reports on parts of the research work of the department were given by invitation at a number of international scientific conferences. All the Honorary Research Associates have contributed to the postgraduate lecture courses which have been given in the department.

EUGENICS, BIOMETRY and GENETICS

The Senate has appointed Dr. H. Grüneberg as Reader in Genetics. Dr. Ursula Philip resigned her post as Assistant Lecturer to take up a post in the University of Durham and was succeeded by Dr. Myrtle J. Bird, formerly Demonstrator in the Department of Zoology.

The undergraduate courses have not undergone any substantial change in the period under review. The following postgraduate students worked in the department during the year :—Miss Myrtle J. Bird, Miss A. C. Elizabeth Suley, Mr. W. B. Kadri, Miss M. Attfield, Dr. C. C. Spicer, Dr. A. Kiouw, Dr. R. Milani.

Research was carried out on inheritance in cats, amphibians and the fly *Drosophila subobscura* and a number of papers are in the press. Results included the discovery of the first lethal gene in cats, of another recessive condition in mice in which bone once laid down is not removed, and of a large number of new characters in *Drosophila*. Work on human genetics included an attempt to estimate the damage caused to future generations by atom bomb explosions and the first accurate measurement of the frequency of recombination between two human genes.

Professor J. B. S. Haldane gave the following lectures outside the department :—" Human Evolution, Past and Future " (Princeton University), " Progrès technique et Progrès moral " (Rencontres Internationales de Geneve), " Genetics and Palaeontology " (University of Paris). He broadcast on the following topics :—" Racial Differences " (to France), " A Materialist Defends Himself ", " What I Believe ", " The Reader Takes Over " (North American Service), " Recent Books on Genetics " (Book Review), " Nature and Nurture ". He also gave five lectures in Czechoslovakia. Dr. H. Grüneberg lectured to the Linnean Society on " The Significance of Coat Colour in Mammals " and gave a lecture and demonstration to the Biological Society, Queen

Mary College, on " Of Mice and Men ". At University College Hospital Medical School, he delivered three lectures on " How Genes Act " and ten lectures on Medical Genetics to the Royal Institute of Public Health and Hygiene.

GALTON LABORATORY

Dr. H. Harris, who has a Leverhulme Scholarship (Royal College of Physicians), is doing research work in Human Genetics, his main problem being the inheritance of Diabetes Mellitus. Miss U. Mittwoch, formerly of the John Innes Horticultural Institution, is working on the genetics of Basidiomycetes.

The general programme for identification and description of hereditary human traits was considerably extended. The characters studied in the normal population were :—colour-blindness, taste deficiency, tone-deafness, hair colour and dermatoglyphs. Serological typing with a view to finding linkage was added to the battery of tests in cases of hereditary disease, but the analysis of linkage data requires highly technical statistical methods, which are being perfected. The work on the genetical background of specific conditions included the study of mammary carcinoma, mongolism and diabetes. The association with the maternity division of University College Hospital produced valuable material for the statistical study of the biological problems of gestation and birth. A new part of The Treasury of Human Inheritance has been published on *Dystrophia Myotonica* Part V. Vol. IV, and the first part of a new volume on hereditary skeletal abnormalities is in preparation. The *Annals of Eugenics* continued to be edited in the Laboratory.

The Galton Lecture was delivered by Professor Ernst Hanhart of the University of Zurich on " Human Genetics with Special Reference to Deaf-Mutism and Diabetes." In consequence of this contact, it is hoped to develop co-operation between those studying human genetics in this country and those studying the same subject in Switzerland.

GEOLOGY

During the past session, the immediate benefits of the increase in staff have been felt in many directions. Dr. R. G. S. Hudson's renewed association with the department as an Honorary Lecturer was particularly welcomed. He was a student under Professor Garwood and his stimulating personality, his eminence in research and his great experience as a teacher will be real assets to the department.

The work of re-equipping has proceeded as materials and instruments became available; but much remains to be done. Considerable progress has been made in the augmentation of the teaching collections, especially in the fields of igneous and sedimentary petrology.

The small departmental library of literature that is in constant use has been greatly strengthened in the past year by generous gifts of collections of pamphlets from Professor Garwood and Dr. Hudson.

These are being catalogued and will be a great asset to both staff and students.

Dr. Chubb has officially taken charge of the Museum Collections as Curator—a sphere in which he has been active for many years. Miss Joan Turner's appointment as Museum Assistant has made it possible to make a good start in the re-arrangement of the collections to enhance their value as teaching material. The number of students in the current session is an advance on the record numbers of last year, the increase being greatest in those intending to specialise. The laboratory and lecture-room accommodation is still more severely strained and the position will be aggravated as additional courses under the new regulations mature.

Field classes were highly successful. Vacation courses of a week or a fortnight were held in North Wales, South Wales, Shropshire, and the Lake District, as well as day and week-end visits during term. All the staff have taken their share of this work, which makes serious inroads into the time available for field research during the best seasons of the year.

A substantial contribution to the courses in Physical Geography continues. The course of Geology for Civil Engineers included a week-end field class in the Northampton Ironstone Field, and a new second year course for Engineers has also been successfully introduced.

HISTORY AND PHILOSOPHY OF SCIENCE

During the year, the staff was augmented by the appointment as Lecturer of Dr. N. H. de V. Heathcote, a former student of the department, who has done distinguished work in the history of the physical sciences.

The normal postgraduate courses were continued and the number of students attending was as large as can conveniently be taken. The return of the Graves Library to London will greatly assist students in the preparation of dissertations. As an experiment, courses of lectures have been arranged on the History and Philosophy of Science, in accordance with a general scheme formulated by the University Faculty of Arts and adopted by the Board of Studies, for first year students.

The department has played a leading part in the formation of the British Society for the History of Science, which came into being during the year and has been recognised as a National Group of the International Union for the History of Science. Professor Charles Singer was elected as the first President of the Society, Professor Dingle as Vice-President and Drs. McKie and Underwood as members of the Council.

Professor Dingle delivered his Inaugural Lecture on " The Missing Factor in Science " in June. He also gave a course of four lectures on " The Philosophy of Science " at the Royal Holloway College in February and March, and lectured at the Newcastle Astronomical Society,

Hendon Public Library, the Oxford University Junior Scientific Club and at Cambridge. He attended the first meeting of the Institut International des Sciences Théoriques at Brussels in September and read a paper on " The Function of Time Measurement in Modern Physics ". Dr. McKie lectured on " Problems in the Teaching of the History of Science " at Cambridge on 17th October. Dr. Crombie attended the Fifth International Congress for the History of Science at Lausanne and read a paper on " Scholastic Logic and the Origin of the Experimental Method ". He also gave a course of eight lectures at Oxford during the Hilary Term on " The Idea of Evolution in the History of Biology ".

MATHEMATICS

During the session 1946–47, the department had the assistance of two new members of staff, Mr. J. C. Gunn (Lecturer) and Mr. C. A. Rogers (Assistant Lecturer). In October 1947, Mr. R. Capildeo, formerly part-time demonstrator, became Assistant Lecturer and the following part-time demonstrators resigned their appointments :— Messrs. J. H. H. Chalk, M. Rothman, H. J. Steele and T. J. Wood. The session was the first during which the new three year syllabus for the B.A. Honours and B.Sc. Special Degree came into operation. A rather large class, including many ex-service students, found the first year course manageable. Another innovation was the introduction of a course in numerical mathematics for these students. Demonstrations were provided regularly of the physical principles on which the Applied Mathematics is based. Considerable progress was made during the session in arranging courses in Mathematics for Engineering students, both at undergraduate and postgraduate level.

The postgraduate and research programme of the department has developed considerably. Calculating machines, which form such an important part of research equipment in modern Applied Mathematics, have been obtained in nearly adequate numbers. The experimental programme to provide data for the theoretical researches on electronic and ionic phenomena and on nuclear and high energy phenomena has begun. A magnet for this work has been given by Messrs. Metropolitan Vickers and the Department of Scientific and Industrial Research have financed the purchase of other equipment, including a special microscope for analysing nuclear photographs.

The department took a leading part in organising an international conference on the " Emission Spectra of the Night Sky and Aurora " which was held in the Royal Society's rooms from 7th to 10th July and proved very successful. The department has also been closely associated with the development of research and teaching in photo-elasticity.

Leave of absence has been granted to Professor H. Davenport for the whole of the current session, thus enabling him to accept an invitation to act as Visiting Professor at Stanford University, U.S.A.

PHYSICS

Mr. E. S. Halberstadt (Demonstrator) left to take up an appointment at the University of Reading and Dr. G. S. Brayshaw (Temporary Lecturer) to become Associate Professor of Physics at the University of Tennessee. Mr. G. R. Heyland was promoted from Assistant Lecturer to Lecturer and Mr. A. J. Kennedy was appointed Assistant Lecturer in January.

The new regulations for the B.Sc. Special degree were adopted for the course commencing in October. Students are now required to devote three sessions to their degree course and to take the final examination in two parts—Part I at the end of the second session and Part II at the end of the third. The Senior Laboratory, much overcrowded last session, was extended by the erection of an Orlit Hut in Foster Court adjacent to the Laboratory. It accommodates 24 students. Engineering, Chemistry and Medical Sciences students have attended lectures in the Physics Department and lectures have been given in the Department of the History and Philosophy of Science by members of the Physics staff.

The facilities for research in physics continue to be inadequate and the huts for this purpose, which were to have been ready in September 1946 were not finished until February 1948. Nevertheless research is proceeding, and there are seven postgraduate research students.

Through chairmanship and membership of various committees, Professor Andrade maintains contact with certain physical aspects of metal research in government departments and industry. He opened the discussion on " Creep of Metals " at the Bristol Conference on " The Strength of Solids " and gave various broadcasts in the B.B.C. Third Programme on " A New Discovery in Magnetism ", " The Uncertainty Principle ", " An Appreciation of Max Planck " and one on " The Structure of Industry " in the Chinese Service.

STATISTICS

The only staff change relates to the status of Mrs. Maxine Merrington, who has now been appointed Demonstrator and Research Assistant. Dr. M. Loève of Birkbeck College gave a special course of advanced lectures on the Theory of Probability.

With a new entry in October of 13 students for the B.Sc. (Special) in Statistics and six full-time postgraduates, the department has now 43 regular students. This is a record figure and has been possible because of the release of the two large rooms used as the Staff Refectory since 1945.

The growing realisation that in many types of research, the scientific method of attack is the statistical one, has led to requests from a number of College departments for short introductory courses on the subject. During the present session the following courses have been planned :—

(i) to mathematicians, as required by the revised B.Sc. (Special) Syllabus; (ii) to fourth year engineers; (iii) to B.Sc. students taking Botany, Zoology, Anthropology and Physiology; a short course of about eight lectures to be followed by a seminar for selected research students; (iv) to students taking Statistics as a special subject in B.Sc. (Econ.).

The demand for end-of-the-day lectures has continued. Fifty persons attended a first year and twelve a second year course, each consisting of two lectures a week. About thirty of these were scientific officers in the Civil Service, sent by arrangements with the Treasury and the Department of Scientific and Industrial Research. Professor Pearson also continued his fortnightly evening lectures primarily arranged for members of the Institute of Actuaries. It is to be hoped that the department may eventually be relieved from this evening work, but at present there appears to be no other School of the University which can meet the special demand.

A number of research investigations is in progress, but the very heavy demand for teaching work has to some extent interfered with this at the present stage of expanding activities.

Two new undergraduate features may be noticed, first, the formation of a flourishing College Statistical Society and secondly, further progress in experimenting with arrangements under which all B.Sc. students spend about six weeks of the long vacation getting practical statistical experience, either in industry or in government research departments.

Professor E. S. Pearson and Dr. Florence N. David have continued their contacts with the Services in connection with research investigations bearing on future armament re-equipment policy. Dr. H. O. Hartley is acting as statistical adviser to the Royal Cancer Hospital and has given outside lectures to the Market Research Society and the Industrial Section of the Statistical Society.

ZOOLOGY

The department has lost the services of Dr. M. J. D. White, Reader in Cytology, who has been appointed to the Chair of Cytology in Texas University, U.S.A. . Dr. White came to the department in October 1926, and has been a member of it continuously ever since, though on two occasions he worked in the United States for lengthy periods. Mr. B. B. Boycott has gone to a research post in the Department of Anatomy and Miss Doris M. Carr (Margaret Browne Student) has been appointed an Assistant Lecturer in the Zoology Department of Imperial College. Mr. D. R. Newth, a former student, and Miss Mary Whitear have been appointed Assistant Lecturers, Mr. W. G. Kuhne Departmental Assistant and Miss Peggy Ellis part-time Demonstrator. A new post of Assistant Lecturer in Biological Statistics has been established to which Mr. K. A. Kermack has been appointed.

During the period under review, Professor D. M. S. Watson took part in discussions on evolution problems between Taxonomists, Geneticists and Palæontologists in the Universities of Princeton, U.S.A., and Paris. He also gave a course of inter-collegiate lectures on Fossil Vertebrates. Public lectures were given by Professors Caullery and Hörstadius. The department is much indebted to Professors J. Z. Young, G. R. de Beer, Drs. Abercrombie, David, Jane, Richardson and Wilkie, who have given courses of lectures and demonstrations which have formed part of the course for the B.Sc. Special examination. Mr. R. B. Freeman has conducted a series of field excursions for special students, culminating in several days at Ashwell, Herts, which have for the first time enabled students to make a beginning of a study of land ecology.

FACULTY OF ENGINEERING

Professor G. T. R. Hill completed his period of office as Dean of the Faculty and was succeeded by Professor H. J. Collins. Professor H. E. Watson was nominated as Vice-Dean and Mr. H. Marriott was re-appointed Sub-Dean and Tutor to Engineering students. Dr. A. M. Ballantyne, Mr. H. Marriott and Mr. R. C. Vaughan were granted recognition as teachers of the University.

The present session marked the commencement of the four year course leading to the degree of B.Sc. in Engineering, in that students entering the first year Intermediate Science course will be required to complete the revised four year course. Courses throughout the remaining years have been adjusted to admit transition from the old to the new examination regulations. Subjects studied in the present " Suspense Year " taken by students who have already passed their final B.Sc. are being extended in such a way that they will ultimately form the normal Part III final of the degree course. The opportunity has been taken to broaden the student's outlook in this final year by giving him the opportunity of special courses such as those provided by the Faculty of Laws and the departments of Geology and Town Planning. Deferment of the four year course has been in the interests of many men returning from long service in H.M. Forces, and it is for this reason that the present three year course has been retained parallel to the new course until the end of 1950.

The heads of departments in the Faculty were authorised to issue certificates, when requested by undergraduate students completing a year of advanced study after their finals in order to comply with the statutory three years' requirement of the University.

The Faculty workshop has been re-established and re-equipped under the supervision of Dr. Lloyd Evans, with a workshop staff numbering ten full-time mechanics and one part-time mechanic, and possessing a fine equipment of modern machine tools.

In the field of research, considerable development has taken place in the Photo-elasticity Laboratory. This research group is being developed by Mr. H. T. Jessop under the joint auspices of the departments of Civil Engineering, Mechanical Engineering and Mathematics. This session marked the inauguration of two series of teaching classes in this subject.

The first visitation of the University since 1937 was made to the Faculty in December, the visitors being Professor G. W. O. Howe, Professor A. L. Mellanby, Professor S. J. Davies and Professor W. J. John. They made a complete tour of the laboratories and workshops and had profitable meetings with members of the staff and the Provost, who gave a luncheon in their honour.

CIVIL AND MUNICIPAL ENGINEERING

The following additional members of staff commenced duties at the beginning of the session : Mr. D. A. Stewart (Research Assistant, Engineering Materials), Mr. R. B. Hounsfield (Research Assistant, Traffic Engineering) and Mr. A. C. Jenner (Departmental Assistant).

The Soil Mechanics Laboratory has been newly equipped, including apparatus for Mechanical Analysis, Consistency Limits, Shear Strength, Unconfined and Triaxial Compression, Consolidation, Compaction and California Bearing Ratio. Survey and photogrammetry equipment has been obtained as available either on loan or purchase from the Ministry of Supply, and more is on order from Switzerland. Lack of laboratory space, owing to delay in reconstruction of the Chemical Engineering Laboratory, has hampered the work of the department throughout 1947.

A certain amount of research has taken place on each of the following groups, but progress has necessarily been restricted owing to delay in delivery of apparatus : Survey and Photogrammetry, Soil Mechanics, Structures, Public Health Engineering, Engineering Materials, Photo-elasticity, Traffic Engineering.

Professor Collins gave the Bossom Lecture under the auspices of the Chadwick Trustees. Professor Hart has maintained contacts with surveyors throughout the world, and during the year, visits have been received from specialists from fifteen different countries. He presented a paper before the Commonwealth Survey Officers' Conference in August on " Recent Developments in Air Survey and Their Application ", and in September he lectured on " The Application of Radar to Photogrammetry " to the Netherlands Society of Photogrammetry. Dr. A. M. Ballantyne gave a special course of lectures on Air Survey at the University of Durham in November, and read a paper on " Recent Development in Air Survey " before the Newcastle-upon-Tyne Branch of the Institution of Civil Engineers. Mr. Miskin gave lectures to the Royal Photographic Society and the Newcastle Photographic Society in December.

ELECTRICAL ENGINEERING

Mr. K. Marshall, Lecturer in Industrial Administration, has resigned and his place has been taken by Engineer-Captain A. B. Blake, R.N. (Retired). Mr. G. Parr was appointed a Special Lecturer in " The Presentation of Technical Information ".

The approved course of study for suspense year students introduced for the first time in the session 1946–47 is being repeated in the current session. The curriculum was discussed with a number of industrialists before the first course was undertaken and has raised some considerable interest in the electrical engineering industry.

A metadyne was obtained from war surplus stock for the Power Laboratories and a considerable amount of valuable apparatus has been acquired, mostly from war surplus stock, for the Communications Laboratory at prices far below its intrinsic value. Among this apparatus, special mention may be made of a Precision Cine Projector equipment for 16 mm. film, with sound track, a continuous wave magnetron valve to give 70 watts at 10 cm. wavelength and 3 K.V. motor alternator for 500 cycles/sec. with good wave form. A considerable amount of apparatus and equipment has also been manufactured in the Faculty Workshop and is used both for undergraduate teaching and research. A Precision Lathe, 2–3½ in. Atlas Lathes, and a Guillotine and Bending Machine have been added to the Faculty Workshop. The following researches have been begun or continued during the year: " The Effect of Obstacles in Waveguides ", " Behaviour of Long Slots in Waveguides ", " Electrical Properties of Dielectrics at Ultra High Frequencies ", " Magnetic Amplifiers ".

Professor Barlow was invited to open the proceedings of the Radio Convention of the Institute of Radio Engineers held at Bournemouth in May. On this occasion, he presented a paper on " The Exploitation of Micro-waves for Trunk Waveguide Multichannel Communications ". Professor Kapp gave a series of four public lectures in the College during May on " The Presentation of Technical Information ". In order to accommodate those who had not been able to find room, the lectures were repeated in the Lecture Theatre of the Institution of Electrical Engineers.

MECHANICAL ENGINEERING

There were no staff changes in the period reviewed.

The new Four Year Engineering Course commenced at the beginning of this session and a course in Photo-elasticity has been made available for the suspense year students who have taken the final examination. This course supplements the other courses already in existence for the suspense students. This year, certain suspense students have

been taking additional courses in Aeronautics at Imperial College in lieu of a part of the normal Mechanical Engineering Course.

In the Photo-elasticity laboratory a new polariscope has been designed and constructed. It incorporates considerable improvements over the previously existing apparatus and also that in use elsewhere today. These improvements include large diameter polaroids and a monochromatic light source, while a 35 mm. camera and a pneumatic loading device give a high speed of operation.

Research is being undertaken, under the direction of Professor G. T. R. Hill, into the distortion of cantilevers with unusual types of end fixings. Research has been carried out on the practical and theoretical investigation of radial, hoop and thickening strains in the walls of tinplate circular pressings and also into the rate of flame travel in inflammable mixtures of gases, the rates of flame travel being measured in a closed vessel provided with means to produce controlled turbulence. A start has been made on a study of the amount of throttling provided by valves of various forms in the partly-opened condition.

In the photo-elastic field, work has been done on the optical theory of polariscopes, which has been used in the construction of the new photo-elastic apparatus. The behaviour of some new materials has been studied and work has been carried out on the stress distribution in glued joints, in association with Aero Research Co. Ltd.

Professor G. T. R. Hill is a member of various Committees of the Ministry of Supply, the Aeronautical Research Council and the Council of the Royal Aeronautical Society; he is also a member of the Committee of Award of the Commonwealth Fund Fellowships.

CHEMICAL ENGINEERING

Professor H. E. Watson states that seven postgraduate students are taking the Diploma Course and two are doing research. Twenty-four are taking the degree course.

Sufficient machine tools have been acquired to enable the workshop to start operations as soon as the Ramsay Laboratory is sufficiently repaired, but more are required. A high frequency heating apparatus has been delivered and a metallurgical microscope is expected during the session. Full preparation for research is being made as soon as accommodation is available in the Ramsay Laboratory.

The work of re-habilitation has been executed with exceptional thoroughness and it has been possible to provide accommodation for routine work and some research by altering the internal arrangements. Improved and more up to date industrial apparatus is being installed as it becomes available.

Dr. F. A. Freeth and Dr. R. W. Lunt (Hon. Lecturers) are giving a series of lectures in the department this session.

FACULTY OF MEDICAL SCIENCES

Professor C. Lovatt Evans was re-appointed to the office of Dean and Professor F. R. Winton succeeded Dr. Una Fielding as Vice-Dean. Dr. J. T. Aitken continued as Sub-Dean and Tutor to Medical Students, a post which he had taken over from Dr. D. H. Smyth in the middle of the 1946–47 session. Dr. Andrew Wilson, Dr. Mary F. Lockett and Dr. W. A. Fell were granted recognition as teachers of the University, and Dr. N. Ambache, Professor G. R. Cameron, Dr. E. M. Crook, Dr. J. Joseph, Dr. Mary F. Lockett, Dr. G. A. Maw, Professor W. C. W. Nixon and Professor Wilson Smith were elected members of the Faculty.

ANATOMY AND EMBRYOLOGY

The department has lost the services of Dr. Una Fielding after many years of most valuable work for the College and several generations of students will wish her well in her new post as Assistant Professor of Anatomy in the University of Alexandria. Dr. R. H. Shephard also left on being called up for Military Service. Dr. G. Causey, Dr. P. A. Ring, Dr. Valerie Scotland and Dr. P. Ford have joined the staff as Assistant Lecturers and Mrs. L. Palmer, Dr. Minnie L. Johnson and Dr. D. A. Sholl as Research Assistants.

The courses for the 2nd M.B. have continued to pay special attention to the anatomy of the living subject. Seminars on research subjects for senior students have been very active. Dental students, now all preparing for the B.D.S. degree, have worked with medical students for the first part of their course. The single candidate taking the B.Sc. Special (Anatomy) was placed in the first class.

Research has been continued on various aspects of the nervous system by Professor J. Z. Young, Drs. Aitken, Joseph, Evans, Causey, R. G. Thomas, Wedeles and Scotland. Professor de Beer has continued research on the skull and orientation of the semi-circular canals, on the development of genital ducts in mammals and on the rudiment of the egg-tooth in marsupials. Mr. Richardson has continued work on the histology of lactation and especially on myoepithelial cells. He is also collaborating with Professor F. G. Young on the histology of experimental diabetes in the cat. Dr. Fell has worked on bone and on the foot, Dr. Ring on the heart. Dr. M. Abercrombie has started investigations on growth of nervous tissue in tissue culture and rate of formation of collagen. He has also initiated investigations into the properties of the primitive streak in birds. Dr. P. Ford is working on the origin of tail muscles in amphibia and on the gradient-fields of the amphibian embryo.

Research workers using the department have included Dr. Jungmann (Radiology), Dr. Sholl (Anatomy and Embryology), Dr. J. M. Sosa (Anatomy), Dr. L. E. Mount (Histology), Dr. P. O. Bishop (Electrophysiology), Dr. Omarkhan (Embryology), Mr. Stephenson (Embryology) and Dr. M. L. Johnson (Tissue Culture).

Mr. A. D. Vizoso is working at neurological research with a grant from the Royal Society. Through the help of the Nuffield Foundation, a Fellowship for research on the comparative study of the brain and behaviour was awarded to Mr. B. B. Boycott, who has been working partly in London and partly at the Zoological Station at Naples.

A Fellowship offered by the British Boot, Shoe and Allied Trades Research Association for research on the foot, to be conducted in the department, has been awarded to Dr. R. H. Hardy.

Besides the ordinary work of teaching and research, members of the staff have assisted various outside bodies. Professor J. Z. Young, Dr. W. A. Fell and Dr. J. Joseph have lectured at the National Orthopædic Hospital, Dr. G. Causey to the Anæsthetics Course at University College Hospital, and Dr. Fell and Dr. Causey to the University of London Ophthalmic Institute. Professor J. Z. Young has also lectured at the Royal College of Surgeons, given Public Lectures at the College and in April, by invitation, he lectured to the Faculty of Medical Science at the University of Milan. Professor de Beer has given instruction in Embryology for students of Zoology and has also lectured at the Royal College of Surgeons.

The annual meetings of the Anatomical Society and of the Society for Experimental Biology were held in the department during the session. The International Society of Surgeons held its conference in the department during September.

BIOCHEMISTRY

Dr. Leslie Young took up his duties as Reader in Biochemistry from 1st May, while Dr E. M. Crook came from Rothamsted Experimental Station to the newly established Lectureship on 1st November. Dr. J. C. Laidlaw, from the University of Toronto, took up his post as Assistant Lecturer in October, while Dr. S. P. Datta, previously a part-time Demonstrator, was also appointed an Assistant Lecturer. Dr. Adrien Albert, of the Wellcome Research Institution, was appointed an Honorary lecturer during the Session. Dr. G. A. Maw, who has now been appointed a Lecturer, was granted a year's leave of absence in order to take up a Commonwealth Fund Fellowship at the Department of Biochemistry, Cornell Medical Center, New York, U.S.A. Dr. Nancy Gough has acted as part-time Demonstrator, in which capacity Dr. Constance E. Work was re-appointed.

A course of formal teaching for the M.Sc. Degree in Biochemistry by examination was initiated at the beginning of the Session 1947–48. This course is open to graduates in Science who have an adequate knowledge of Chemistry. The following courses of postgraduate lectures have been held in the department during the period under review: "Physical-Chemical Investigation of Proteins", "An Introduction to Experimental Cytology", "Biochemistry of Mucopolysaccharides" and "Comparative Biochemistry of Respiration and Metabolism".

The equipment necessary for the use of tracer isotopes in the investigation of biochemical problems has been acquired during the year. A grant of approximately 3,500 dollars has been made by the Rockefeller Foundation for the purchase of an ultracentrifuge, and arrangements have also been made for the acquisition of a Tiselius electro-phoresis apparatus. The accumulation of these items of equipment is of much importance in the development of the research in progress.

The following headings indicate the different lines of research work carried out : " The relation of the anterior pituitary and other endocrine glands to diabetes and growth " ; " The pancreotropic activity of anterior pituitary and other hormones " ; " The relation of anterior pituitary hormones to milk secretion " ; " The influence of thyroid hormone on intermediary metabolism " ; " Experimental *retinitis pigmentosa* " ; " The application of isotopes to the problems of intermediary metabolism " ; " The *in vitro* ketogenic action of liver tissue " ; " Metabolism of methylated sugars " ; " Metabolism of creatine and creatinine ".

PHARMACOLOGY

Miss H. Geoghegan joined the staff this session as Research Assistant and Dr. D. W. Kennard, Dr. L. E. Moore, Dr. P. G. Arblaster and Dr. J. M. G. Wilson held posts as part-time Demonstrators.

Research progress in the department included an investigation into certain types of raised blood pressure in man and animals, in which the disease can be simulated by experimental intervention, and the isolation and identification of blood pressure raising substances secreted in the urine become a matter of importance. Experiments are in progress on the occurrence of such substances in connection with experimental renal hypertension and on their pharmacological actions. The work on the origin of myasthenia gravis was pursued by recording the effects of drugs both on muscle action potentials and on the cholinesterase enzyme system. Further attempts were made to isolate the active principles of gorse which act on the uterus.

The investigation into drug antagonists, the theory of antagonism, and the use of the phenomenon in the identification and classification of drugs made important progress. The pharmacology of the bronchi was advanced by the study of broncho-dilators in experimental asthma and their assessment in human patients. Comprehensive analysis of certain new synthetic drugs was undertaken and the release of histamine from blood perfused organs under the influence of tubocurarine was studied. The effects of the rate of change of drug concentration acting on the isolated heart, and the nervous and chemical factors which effect intrarenal pressure in the anaesthetised animal are also under investination.

The departmental workshop has been partially re-equipped.

Dr. H. O. Schild continued his collaboration with the Research Unit of Roche Products Ltd., and Dr. F. Bergel (Director of Research, Roche Products Ltd.), Hon. Lecturer, again gave a series of public lectures on pharmacological chemistry. Dr. J. F. Danielli (Reader—

Chester Beattie Research Laboratory, Royal Cancer Hospital), Hon. Lecturer, gave a series of lectures on cell physiology and pharmacology and Dr. J. W. Trevan (Director of Wellcome Physiological Research Laboratories), Hon. Lecturer, delivered public lectures on curare. Dr. Mary Lockett has received a considerable research grant from the Medical Research Council towards the expenses of the elaborate investigations she is undertaking on experimental hypertension. Dr. A. Wilson has begun some extra-mural work for the Ministry of Supply on enzyme pharmacology. Professor F. R. Winton lectured to the Graduate Medical Society and to the preclinical and clinical students of the University of Göttingen in October.

PHYSIOLOGY

There has been nothing of outstanding importance to report in the department during the past session, this having been spent in getting the laboratories in order again, filling the missing gaps in apparatus damaged during the war and generally in settling down. Dr. A. Schweitzer came from the University of Leeds to the new Readership in Experimental Physiology, Dr. N. Ambache was appointed Lecturer and Dr. L. E. Mount, Sharpey Scholar.

Professor Lovatt Evans is a member of the Council and a Vice-President of the Royal Society, a member of the Medical Research Council and on the Council of both the Royal Veterinary College and the Imperial Cancer Research Fund. He delivered the Abrahams Lecture, Royal College of Physicians, in 1946.

Biophysics Research

The only staff changes were the additional appointments of Mr. J. L. Mongar and Mr. V. H. Attree as Honorary Research Assistants and the appointment of Mr. G. P. Burn to assist in the work of Dr. E. J. Harris on Isotopes.

During the last year, active research has been going on in various directions. Professor Hill has been occupied with work of which he gave an account to the Royal Society on 13th November in a paper entitled " The Resolution of Physical and Chemical Events in Muscular Contraction ". This was in direct succession, with improved technique, to investigations which were going on in the department up to 1939.

Other researches in progress include " Improvements in galvanometer design, construction, recording and display "; " Physical characteristics of excitation and transmission in nerve and muscle "; " Physical chemistry of contractile fibres "; " The use of stable and radio-isotopes for physiological and biochemical research "; " Rapid recording, without distortion, of mechanical events in muscle "; " Influence of ionic calcium on the action of drugs on muscle "; " Development of convenient and adaptable recording equipment ". The research of Mr. A. C. Downing and Mr. V. H. Attree was financed by a special grant from the R. W. Paul Instrument Fund of the Royal Society.

Professor A. V. Hill is very happy to find the keen interest of many young physicists in biophysical problems. There is clearly a strong

trend in that direction and considerably more people could be taken into the laboratory with advantage, were space available. It is being generally realised that important opportunities of new discovery exist in the field of biophysics, and it is hoped that the Biophysics Research Unit at University College may take permanent form by the time the Rockefeller Grant comes to an end in 1951, as a University department or sub-department, one of the group in the Faculty of Medical Sciences. The immediate neighbourhood in the same building of vigorous research schools in the departments of Anatomy, Biochemistry, Pharmacology and Physiology, the contiguity of important scientific departments in the College and Medical School, and the close collaboration which can and does exist with all of them provide an environment which could scarcely be bettered for the development of a school of research in biophysics. If this plan comes ultimately to fruition, it will have been due to the continued support of the Royal Society over a number of years and to the generosity of the Rockefeller Foundation: the latter in 1933 provided funds for an extension of the laboratory and in 1945 made it possible to revive the Biophysics Research Unit in its present satisfactory and active form.

UNIVERSITY HONOURS

(1st January 1947 to 31st December 1947)

(i) *Higher Degrees*

Degree or Distinction.	Subject.	Name of Successful Candidate from University College.
Faculty of Arts		
D.Lit.	Phonetics	Coustenoble, Hélène M.
Ph.D.	Anthropology	Basu, J.
	Comparative Philology	Fry, D. B.
	English	Hulme, Hilda M.
	History	Hatton, Ragnhild M. R. H.
M.A.	Classics	Hooker, Edna M.
		Hooker, G. T. W.
	English	Hudson, A. K.
	French	Jeffreys, Jenny M.
		Griffiths, Beatrice R.
	German	Hartley, J.
	Hebrew	Sarna, N. M.
	Mathematics	Wood, T. J. (Mark of Distinction)
	Psychology	Crane, Sybil M.
Faculty of Laws		
LL.D.	.....	Friedmann, W.
LL.M.....	.....	Coker, G. B. A. (Award in suspense)
		Elias, T. O. (Award in suspense)
		Farren, S.
		Stoljar, S.

Degree or Distinction	Subject	Name of Successful Candidate from University College.
Faculty of Science		
D.Sc.	Chemistry	Joshi, S. S.
	Zoology	Ellenby, C.
Ph.D.	Biochemistry	Ray, A.
	Chemistry	Benfey, T. O.
		Garforth, Francesca M. (*née* Leeke)
		Gyani, B. P.
		Hilal, O. M. M.
		Millen, D. J.
		Taylor, M. R.
	Embryology	Ford, P.
	Genetics	Bird, Myrtle J.
	History of Science	Heathcote, N. H. de V.
	Mathematics	Basu, S.
	Statistics	Nair, K. R.
	Zoology	Bamford, T. W.
M.Sc.	History and Philosophy of Science	Stirk, J. L.
	Mathematics	Hardiman, Nellie J.
		Rothman, M.
Faculty of Engineering		
M.Sc.	Civil Engineering	Holland, H. L. E.
Faculty of Economics		
M.Sc.		Mishra, J. N.

(ii) *University Scholarships, Studentships and Medals*

Carpenters' Company's Scholarship		Lawson, Margaret
Sir George Jessel Studentship in Mathematics		Halberstam, H.
Lindley Studentship in History		Hughes, Alison M.
Robert Priebsch Memorial Prize for German		Gardner, Margaret C.
Richardson Scholarship for Women		Dixon, Erica E. (Moiety)
		Hudson, Yvonne G. (Moiety)
George Smith Studentship in English		Hardy, Barbara G.
University Studentships :	Architecture	Rothen, G. E.
	Chemistry	Davenport, D. A.
	English	Brown, A. L.
	Germanic Languages	Wells, G. A.
	Physiology	Hutter, O. F.
	Romance Languages (French)	Mayer, C. A.
University Postgraduate Studentships :		
French		Thomas, Sybil G.
German		Firth, Jenny
History		Beasley, W. G.
		Elton, G. R.
Mathematics		Chalk, J. H. H.

SUMMARY OF RESULTS

(including all Degrees)

1st January to 31st December 1947

I. Degrees

	Inter. and 1st and 2nd Medical	Bachelor		Master	Ph.D.	Doctor	Faculty Total
		Pass	Hons.				
Arts	65	22*	128	9	4	1	229
,, (Architecture)	18	1	4	—	—	—	23
Laws	69	4	9	4	—	1	87
Science	61	45†	74‡	3	13	2	198
Economics	42	4	9	1	—	—	56
Engineering	31	12	28	1	—	—	72
Chemical Engineering.	—	2	2	—	—	—	4
Medicine :	—	47	—	—	—	—	47
Inter Sci.	25						25
1st Med.	1						1
2nd Med	47						47
	359	137	254	18	17	4	789

* General Degree
† 21 Special ; 24 General
‡ 65 Special ; 9 General

II. Diplomas and Certificates

	Diplomas		Certificates	
Arts	Anthropology	–	Architecture	25
	Archæology	–	Decoration	2
	Architecture	10	English	1
	Fine Art	48	Phonetics	48
	History of Art	–	Town Planning	8
	Librarianship	8		
	Psychology	3		
	Town Planning	7		
Engineering		40		
Chemical Engineering.		7		
		123		84

SCHOLARSHIPS AND OTHER DISTINCTIONS AWARDED IN THE COLLEGE

A. *FACULTIES OF ARTS, LAWS, SCIENCE AND ENGINEERING*

I. Entrance Scholarships

ANDREWS SCHOLARSHIPS :—

Arts :—Baxter, Margaret W. (Dover County School for Girls) (3rd year) ; Rundle, Winifred J. (Totnes County School for Girls) (3rd year) ; Kent, J. P. C. (Minchenden County Secondary School, Southgate) (2nd year) ; Balding, R. G. (Acton County Grammar School) (1st year).

Classics :—Young, A. B. M. (Cardinal Vaughan School) (3rd year) ; Lockett, L. L. W. (St. Olave's and St. Saviour's Grammar School) (2nd year).

Science :—Chamberlain, P.J. (University College School) (3rd year) ; Wilson, A. C. (City of London School) (3rd year) ; Mackie, J. D. H. (Sir Joseph Williamson's Mathematical School, Rochester) (2nd year) ; Billinge, Phyllis E. (Eggar's Grammar School, Alton) (1st year).

BARTLETT EXHIBITIONS IN ARCHITECTURE :—

Hughes, Frances H. (St. Leonard's School, St. Andrews) (5th year) ; Kaye, A. J. (Bec School, Tooting) (4th year) ; Lawson, Margaret (Loughton County High School for Girls) (4th year) ; Manning, T. F. A. (St. Paul's School) (4th year) ; Smith, M. W. M. (Whitgift Middle School, Croydon) (4th year) ; Bent, S. P. (St. Olave's and St. Saviour's Grammar School) (3rd year) ; Handley, M. B. (Whitgift Middle School, Croydon) (3rd year) ; Bamsey, E. A. (St. Olave's and St. Saviour's Grammar School) (2nd year) ; Price, G .S. (Beckenham County Grammar School) (2nd year) ; Arnold C. W. (St. Paul's School) (1st year) (hon. award) ; Barkham, J. B. (City of London Freemen's School) (1st year) ; *Martin, D. H. (Whitgift Middle School, Croydon) (1st year) ; *Stoddart, J. G. W. (Beckenham County Grammar School) (1st year).

* Provisional award.

CAMPBELL CLARKE SCHOLARSHIP IN ENGLISH :—Dodgson, J. M. (Baines's Grammar School, Poulton-le-Fylde) (1st year).

GOLDSMID SCHOLARSHIPS :—

Science :—Redhead, M. L. G. (Westminster School, and Davies, Laing and Dick, Tutors) (1st year).

Engineering :—Webster, P. A. (Bemrose School, Derby) (3rd year) ; Foulds, K. W. H. (East Ham Grammar School) (2nd year) ; Simmons, J. C. (Rutlish School, Merton) (1st year).

HUME-LLOYD SCHOLARSHIP IN POLITICAL ECONOMY :—Salthouse, L. (Queen Elizabeth's Grammar School, Atherstone) (3rd year) ; Low, J. M. (Bede Grammar School, Sunderland) (2nd year) ; Crick, B. R. (Whitgift School, Croydon) (1st year).

FACULTY OF LAWS :—No award.

LIBRARIANSHIP EXHIBITIONS :—Cornelius, E. H., B.A. (The King's School, Canterbury, and Clare College, Cambridge) ; Longley, Katherine M., B.A. (Clapham County Secondary School, and King's College, London).

ROSA MORISON SCHOLARSHIP (Arts) :—Dawkins, D. A. (Edmonton County Secondary School) (3rd year) ; Johnson, J. A. (Southall Grammar School) (2nd year) ; Legon, C. D. (St. Olave's and St. Saviour's Grammar School) (2nd year) ; Day, Mary E. (Cirencester Grammar School) (1st year).

ALFRED W. RICH SCHOLARSHIP (Fine Art) :—Hindle, Joan M. (Chesterfield School of Art) (3rd year).

ST. PANCRAS SCHOLARSHIP :—No award.

SLADE SCHOLARSHIP :—Bowerman, A. L. (Royal Masonic School, Bushey) (3rd year) ; Dawkin, Kathleen (Sidcup School of Art) (3rd year) ; Pritchard, K. C. M. (St. George's School, Harpenden) (2nd year) ; Pritchard, P. N. (College of Arts and Crafts, Sheffield) (1st year).

TREVELYAN GOODALL ART SCHOLARSHIP :—Hutchison, N. (3rd year) ; Osborne, A. R. (1st year).

UNIVERSITY COLLEGE SCHOOL CENTENARY SCHOLARSHIP :—Hutchison, N. (3rd year) ; Williams, W. S. C. (1st year).

WEST SCHOLARSHIP IN ENGLISH AND ENGLISH HISTORY :—Snowdon, L. (Gateshead Grammar School) (2nd year) ; Bolam, D. W. (Friends' School, Saffron Walden) (1st year).

II. Other Scholarships and Distinctions

"The Architects' Journal" Prize :—Dick, R. A.

Sarah Baker Prize (Botany) :—Stant, Margaret Y.

Herbert Batsford Prize (Architecture) :—Rigby-Jones, P.

Benington Memorial Studentship in Anthropometry and Craniology :—No award.

Ada Heather Bigg Prize (Political Economy) :—Next award, 1948.

Mary Brodrick Prize (Geography) :—Sparks, B. W.

Margaret Browne Studentship (Zoology) :—No award.

"The Builder" Prizes (Architecture) :—

Senior : No award.

Junior : Bestow, E. W. } divided.
Goebel, R. F. H. }

Chadwick Medal and Prize (Municipal Engineering and Hygiene) :—Kemp, K. O.

Antonio Cippico Medal and Prize (Italian) :—Duncan, D. S.

Lilian Clarke Prize (Botany) :—Stant, Margaret Y.

Clinton Prize (Electrical Engineering) :—Fricker, S. J.

Derby Scholarship (Zoology) :—No award.

Dolley Memorial Prize (History) .—Next award, 1948.

Donaldson Medal (Architecture) :—Lloyd, Jane.

Early English Text Society's Prize :—Quirk, C. R.

Fielden Research Scholarship (German) :—No award.

Carey Foster Research Prize (Physics) :—No award.

Foyle Prize (Latin) :—Willis, J. A.

Gladstone Essay Prize (History) :—Next award, December 1947.

Eleanor Grove Scholarship (German) :—Reichbach, Gabriele A.

Archibald P. Head Memorial Medal and Prize (Mechanical Engineering) :—Munro, A. J.

Heimann Medal (German) :—Whaley, J.

Henriques Scholarship (Fine Art) :—Fletcher, G. S.

Elsie Hitchcock Prize (English) :—Thomas, Beryl E. } divided.
Wright, Doreen W. }

John Oliver Hobbes Memorial Scholarship (Modern English Literature) :—Greenslade, B. D.

Hollier Scholarships :—

Greek :—No award.

Hebrew :—Jacobs, L. ; Miller, A. W.

Joseph Hume Scholarships in Jurisprudence :—Green, L. C. (2nd year) ; Stoljar, S. J. (2nd year).

Hurst Bequest Essay Prizes (English Law) :—Littman, A. N. (1st Prize) ; Payne, D. J. (2nd Prize).

Sir George Jessel Studentship (Mathematics) :—Halberstam, H.

Jevons Memorial Scholarship (Economic Science) :—No award.

Jews' Commemoration Scholarship :—Penrose, O. (Science) (2nd year) ; Please, A. (Science) (2nd year) ; Veale, A. L. W. (Science) (1st year) ; *prox. acc.* Dixon, B. T. (Laws).

Ker Memorial Prize (English Language and Literature) :—Bisset, Mary G.

Leverhulme Studentships (Chemical Engineering) :—Fowler, R. T., B.Sc.(Met.) ; Hesling, S., B.Sc.

Bunnell Lewis Prize for Latin Verse :—(Hexameters) Goold, G. P.

Lloyd Scholarship (Modern Greek) :—No award.

Sir John MacAlister Medal (Librarianship) :—Thomas, Nora M.

Betty Malcolm Scholarship (Fine Art) :—Sniders, Yenny.

Malden Scholarship (Greek) :—No award.

John Marshall Prize and Medal (Comparative Philology) :—Goold, G. P. ; Quirk, C. R.

Sir William Meyer Studensthip (European History) :—Kerridge, E. W. J.

John Stuart Mill Scholarship (Philosophy) :—No award.

Rosa Morison Memorial Medal (Science) :—Goulden, J. D. S.

Rosa Morison Scholarship (English) :—Sisson, Rosemary A. (2nd year) ; Middleton ,Elizabeth M. (1st year).

Morley Medal (English) :—Hardy, Barbara G.

Morris Prize (Geology) :—Gardner, K.

Douglas Murray Scholarship (Egyptology) :—No award.

Margaret Murray Prize (Egyptology) :—Plumley, J. M.

Melvill Nettleship Prize (Figure Composition) :—

Bownas, Sheila C.
Curry, D. V.
Fletcher, G. F.
Trotman, Joy
} divided.

Oliver Scholarship (Botany) :—No award.

Catherine Maude Pearce Scholarship :—Irlam, Brenda M.

Platt Prize (Greek) :—Weiler, T. G.

Pollard Prize (History) :—Goveia, Elsa V.

Postgate Prize (Comparative Philology) :—No award.

Theodora Prankerd Memorial Scholarship (Botany) :—Stant, Margaret Y.

Quain English Essay Prize :—No award.

Quain Studentships :—

English :—Brown, A.
Biology :—Archibald, Eily E. A.

Ramsay Memorial Medal (Chemistry) :—Austin, A. T.

Ricardo Scholarship (Political Economy) :—No award.

Ellen Richards Prize (Botany) :—Stant, Margaret Y.

Mary Rischgitz Prize (Fine Art) :—Award deferred.

Robert Ross Scholarship (Fine Art) :—Baker, J. L.

Roston Studentship (Phonetics) :—Partridge, Monica A.

Hester Rothschild Scholarship (Hebrew) :—Jacobs, L.

L. M. Rothschild Scholarship (French) :—Hall, G.

Mayer de Rothschild Scholarship (Mathematics) :—Power, E. A.

Slade Scholarships :—

Clause, Jennifer M.
Lowson, D. M. A.
Shirley, Maria T.
Sutcliffe, H.

Laura Soames Prize (Phonetics) :—Partridge, Monica A.

Steer Medal and Prize (Fine Art) :—Blakely, Zelma A.

Sir Andrew Taylor Prize (Architecture) :—Vulliamy, J. S. P.

Sir Andrew Taylor Prize (Fine Art) :—Darrell, H. F.

Henry Tonks Prize (Fine Art) :—Fletcher, G. S.

Troughton Scholarship (Postgraduate) :—No award.

Tuffnell Scholarship (Chemistry) :—Irlam, Brenda M. (2nd year) ; no award (1st year).

University College School Science Research Medal :—No award.

L. F. Vernon-Harcourt Prize (Civil Engineering) :—No award.

Ellen Watson Memorial Scholarship in Applied Mathematics:—Power, E. A.

B. *FACULTY OF MEDICAL SCIENCES*

Medical Entrance Exhibitions and Scholarships :—

Bucknill Scholarship :—Bowdler, A. J. (Leyton County High School) (2nd year) ; Edmonds, C. J. (Latymer School, Edmonton) (1st year).

Medical Exhibition :—Spellman, A. (Sir William Turner's School, Redcar) (1st year).

Medical Scholarship :—Hawkins, D. F. (Alleyn's School, Dulwich) (2nd year) ; Burton, J. D. K. (Watford Boys' Grammar School) (1st year).

Anatomy Senior Class Prize :—Smith, Isabel G.

Anatomy and Physiology (B.Sc. Degree) Scholarships :—

Anatomy :—No award.

Physiology :—Hall, G. H.

Bayliss-Starling Memorial Scholarship (Physiology) :—Boissard, G. P. B. (2nd year).

Epsom Medical Scholarship :—Nicholson, J. G. (2nd year) ; Neden, D. A. J. (1st year).

Cluff Memorial Prize :—Hall, G. H.

Ferriere Scholarship [Tenable at U.C.H. Medical School] :—Bradshaw, Gladys V. (1st year).

Physiology Senior Class Prize :—Hall, G. H.

Schafer Prize in Physiology :—Eggleton, M. Grace.

Sharpey Physiological Scholarship :—Mount, L. E.

Suckling Memorial Prize (Practical Anatomy) :—Goldman, D.

THE LIBRARY

Twelve months ago the Library Committee began its Annual Report with an expression of regret that it had been possible to do little or nothing to lessen the difficulties arising from the very serious overcrowding of the Library's reading rooms and storage space. This year, it is fortunately possible to report that some small measure of relief has been achieved by the opening during the past session of a reading room on the ground floor of the Foster Court buildings, immediately below the main Library accommodation, and by the occupation of the Library hut erected in the Court itself. The new reading room has provided 51 additional seats as well as shelf space for some 9,000 volumes. The hut has been equipped with steel shelving and filled with approximately 35,000 volumes, shared in roughly equal numbers between books and periodicals. It will also provide accommodation for three members of the Library staff. The long and irritating delay which prevented the Library from taking possession of the basement space very kindly placed at its disposal by the Trustees and Librarian of the National Central Library has now been brought to an end, and the many thousands of books which have for so long been inaccessible in the country have been brought back to London. It is pleasant to add that, in consequence of the authority to commence the work of reconstructing the main buildings of the College, preliminary conversations with the architect have taken place on the planning of the Library.

The difficulties in obtaining books, both British and foreign, to which reference was made in the last Annual Report, have persisted during the year now under review. None the less, 9,824 volumes and 4,631 pamphlets have been added to the Library. Of these additions to the Library's book-stock large numbers have come by gift, notably from Denmark and Sweden. In both these countries active steps have been taken, to the great profit of the College Library, in response to the appeal made by the College in connection with the re-establishment of the Department of Scandinavian Studies. Friends in Denmark have not only sent valuable gifts of books dealing with the language, literature, and archæology of that country, but have also collected and handed over to the College a sum of money from which additional books may be purchased and the cost of subscriptions to periodicals defrayed. Equally valuable gifts of books have been received from Sweden and there are prospects of receiving further donations from that country. With equal satisfaction the Committee calls attention to a gift of some 300 volumes in a great variety of subjects made to the Library by the French Government and to the presentation of 100 volumes received from Yale University in memory of Edward Stephen Harkness, first President of the Commonwealth Fund in the United States and founder of the Pilgrim Trust in Great Britain. The Committee, while expressing its gratitude to all who have

made gifts to the Library during the past twelve months, gifts which have been both numerous and valuable, is particularly appreciative of these evidences of sympathy and goodwill which come from overseas at a time when international co-operation and mutual help are of such obvious importance.

From sources at home a number of gifts of an unusual nature deserve special mention. The Buildings Syndicate of the University of Cambridge very generously presented eighty-four double-sided steel bookcases which will be most useful as equipment for the basement of the National Central Library to which reference has been made above. The Society of Antiquaries of London selected the College to be the beneficiary under the terms of a trust relating to a gift of £50 made by an anonymous donor in celebration of the golden wedding of Mr. W. H. Buckler, a Fellow of the Society. The sum is to be expended on books in the fields of classics and classical archæology. Finally, a collection of several thousand books and periodicals has been received from the Inter-Allied Book Centre established by the Library Association and administered by a committee on which the governments of the various allied countries were represented and which was responsible for the distribution to war-damaged libraries at home and abroad of the great numbers of books selected for preservation from the products of the book salvage drives conducted during the war.

The grants made for library purposes by the College Committee have made possible the purchase of a considerable number of books published in Germany during the war as well as certain volumes of periodicals obtained from that country through the Enemy Publications Committee, an organisation sponsored by the Foreign Office with that particular object. The procurement of these books continues to be exceedingly slow and alarmingly expensive. Negotiations are, however, going on at a high level in the appropriate government departments, and there is some prospect of an improvement in the conditions in the future. The English book trade continues to suffer from shortages of skilled labour, paper, and binding materials, which have seriously restricted output during the past year ; but the Librarian has taken every opportunity of replacing, through the second-hand market, books destroyed by enemy action. An outstanding item of this sort is the five volumes of Edward Arber's *Transcript of the Registers of the Company of Stationers of London*, 1554–1640 A.D., the most important source of information about the early productions of English presses. In a different category, but equally deserving of mention, is the purchase of a collection of books dealing with recent German history and political affairs made by the late Rudolf Olden, formerly on the editorial staff of the *Frankfurter Zeitung*.

Considerable progress has been made during the year in the task of working out the details of a scheme of classification of the resources of the Library in accordance with a decision taken by the Library Committee and approved by the Professorial Board. Careful con-

sideration of established schemes as used in many libraries revealed their unsuitability for the College Library and led to the preference for a less rigid system to be elaborated in consultation with the various teaching departments. It is hoped that the new system may be fully applied by the time the Library is re-established in the main buildings of the College.

The continued inaccessibility of such a large part of the Library inevitably caused much inconvenience, alike at undergraduate and research levels. Under present conditions it is not possible to place on the shelves of the Library in College more than a small fraction of the new books received from day to day, and much time and energy has to be expended on the attempt to meet demands by borrowing from elsewhere, books and periodicals which would normally be available in the Library. Some alleviation of these difficulties has been effected by the issue from time to time of classified lists of accessions to the Library and their distribution to departments. Lists of those periodicals which are now shelved in the Library are also being prepared and will be issued shortly.

In spite of the many difficulties caused by lack of adequate working space and of suitable accommodation for the tools of their trade, members of the Library staff have at all times spared no pains in the interest of readers and have invariably done their utmost to provide as good a service as circumstances have allowed. Mr. Marmoy, in charge of the Thane Library of Medical Sciences, has been promoted to the grade of Assistant Librarian; and Miss Olive Carpenter and Mr. D. H. Rhodes were appointed in September 1947 to two new posts in this grade. It is expected that these additional appointments, made possible by the completion of the Library hut and the consequent provision there of further working space for the Library staff, will go some way towards overtaking the arrears of work which accumulated during the war years. Miss June Hammond and Mr. G. G. Rideout joined the staff as Junior Library Assistants during the Session 1946–47, and on Miss Hammond's resignation in October 1947 her place was taken by Miss Ann H. Kingston. Authority was given for the establishment of a further post in the grade of Junior Library Assistant in September 1947 : this new appointment was held first by Miss Glenys James and then by Miss Dorothy Thompson, whose place was taken in January 1948 by Miss Susan M. Hudson.

Notwithstanding the abnormal calls made upon their energies in College, the Librarian and various members of his staff have found time to take a proper share in other professional activities and to contribute to the technical literature of librarianship. The Librarian, who has represented the Committee of Vice-Chancellors and Principals on the Enemy Publications Committee, was appointed its chairman in February 1948; its meetings are attended also by the Deputy Librarian, whose intimate experience of conditions in Germany has been of particular value. The Librarian presides over the advisory committee

to the body responsible for the preparation of the *British Union Catalogue of Periodicals*. In the Library Association the Librarian has been elected deputy chairman of the University and Research Section and chairman of its London Group, whilst the Deputy Librarian has been elected Honorary Treasurer and Assistant Secretary of the University and Research Section. During the Summer term, Mr. Garside gave a lunch-hour lecture in College on " German Libraries To-day : One Aspect of the Problem of Re-education " and also lectured in the advanced course in Special Librarianship arranged by the Association of Special Libraries and Information Bureaux. Mr. Tooth has for some time edited, with much success, *The Link*, the mimeographed journal issued by the School of Librarianship Old Students' Association. A list of publications by members of the Library staff is given in Appendix VI.

GIFTS TO THE LIBRARY

The College Committee acknowledges with thanks the following gifts to the College Library :—

Statsbiblioteket, Aarhus :
Acta Jutlandica, 1–10, 1929–38.

Academia Romana, Bucharest :
L'oeuvre scientifique de Fr. Rainer, 3 vols., 1945 ; and two other publications.

Mr. Roger Adams, University of Illinois :
Studies from the Organic Division of the Chemistry Department, University of Illinois.

All Souls' College, Oxford :
C. T. Martin, *Catalogue of the Archives in the Muniment Rooms of All Souls' College*, 1877.

American Academy in Rome :
Thirty-two volumes of publications.

American Philological Association :
A set of its *Transactions and Proceedings*, 1888–1944, to replace the set destroyed during the war.

Miss A. Bax :
Professor W. P. Ker's copy of Caedmon's *Metrical Paraphrase of Parts of the Holy Scriptures in Anglo-Saxon*, 1832, with his manuscript notes, for the Chambers Memorial Library.

Mr. A. Digby Besant, Joint Treasurer of the College :
Hudson's Bay Record Society, *Publications*, Vols. 1–6, 8–9, 1938–46.

Bonn University :
Neuerscheinungen der deutschen wissenschaftlichen Literatur von 1939–1945, 2 vols., 1946.

Trustees of the British Museum :
About one hundred volumes in Italian and Scandinavian literature.

Secretary-General of the Faculties, University of Cambridge :
Journal of the Marine Biological Association, 1911–25.

The executors of the late Mr. G. F. Clarkson (through the National Central Library) :
Ninety-five volumes from the library of the late Mr. G. F. Clarkson.

Sir R. Waley Cohen, Vice-Chairman of the College Committee :
W. G. Lumbley, Lectures on English law delivered in University College London, 1837–38. (Manuscript.)

Mr. E. M. Cutting, sometime Senior Lecturer in Botany, University College :
Seventeen volumes of early scientific works.

Danmarks Folkeminder :
Works on Danish folk-lore, for the Library of the Viking Society.

Mr. C. O. G. Douie, sometime Secretary of University College :
C. O. G. Douie, *Britain in the Atomic Age*, 1946.

Mrs. R. Engelbach :
R. Engelbach, *Introduction to Egyptian Archæology, etc.*, 1946.

Mr. I. H. N. Evans, Labuan, Straits Settlements :
A set of *Ibis*, 1859–1938, belonging to the late Dr. A. H. Evans.

Miss M. Eyre :
W. Hogarth, *Works*, with life and anecdotal descriptions of his pictures by J. Ireland and J. Nichols, 3 vols.

Frk. Eli Fischer-Jørgensen, Copenhagen :
Seven of her publications.

Ministère de l'Education Nationale, France :
Three hundred volumes in a great variety of subjects.

Dr. A. H. Gardiner :
Three works on Egyptian papyri.

Miss D. Gardner :
A collection of books in classics and classical archæology from the library of the late Professor E. A. Gardner, sometime Yates Professor of Archæology at University College.

Professor R. D. Havens, Johns Hopkins University :
Facsimile Text Society, *Defoe's Review*, 22 vols., 1938.

Dr. O. V. S. Heath :
Thirty-eight volumes from the library of the late Sir Frank Heath, Fellow of University College.

Instituttet for Sammenlignende Kulturforskning, Oslo :
Forty volumes of publications.

Lord Kennet of the Dene, Honorary Fellow of University College
Elton Manorial Records, 1279–1351, Roxburghe Club, 1946.

Kungl. Vitterhets Historie och Antikvitets Akademien, Stockholm :
Thirty-five volumes of Scandinavian literature.

Professor W. W. Lawrence, Columbia University :
Two copies of each of his works, *Beowulf and the Epic Tradition*, 1930, and *Shakespeare's Problem Comedies*, 1931, for the Chambers Memorial Library.

Lehigh University :
A set of publications of the Institute of Research, Lehigh University, to replace those destroyed during the war.

Library of Congress, Washington (through the American Embassy, London) :
Twenty-six bibliographical publications of the Library of Congress.

Dr. Thomas Loveday, until recently Vice-Chancellor of the University of Bristol :
Ninety volumes of sermons of the seventeenth and eighteenth centuries.

Dr. R. J. McClean, Birkbeck College :
G. Baesecke, *Lichtdrucke nach althochdeutschen Handschriften*, 1926.

University of Minnesota :
Publications of the University of Minnesota to replace those destroyed during the war.

Dr. M. A. Murray, Fellow of University College and sometime Assistant Professor of Egyptology :
T. Borenius, *Catalogue of the Collection of Drawings by the Old Masters formed by Sir Robert Mond* (1947).

Nordiska Museet, Oslo :
Nordiska Museet, *Handlingar*, 14, 17–22, 24–27,.1942–47.

University of Pennsylvania :
Anthropological publications and publications of the Babylonian Section of the Department of Archæology of the University Museum.

Princeton University :
A set of the *Contributions from the Princeton University Observatory*, 1911–39, to replace those destroyed during the war.

Messrs. R. Reyrolle, Hebburn-on-Tyne :
Transactions of the World Power Conference, Vienna Sectional Meeting, 7 vols., 1938.

Royal Society :
Newton Tercentenary Celebrations, 1946, 1947.

Miss L. D. Sawyer :
Three works on Old High German language and literature.

Society of Antiquaries of London :
A sum of £55 14*s.* 2*d.*, representing an original gift of £50 with the accumulated interest thereon, contributed in 1942 by an anonymous donor in honour of the golden wedding of William Hepburn Buckler, M.A., LL.B., F.B.A., Fellow of the Society of Antiquaries of London, and held in trust by the Society to be spent after the war on the replacement of books in classics and classical archæology destroyed through enemy action, and now given to University College for this purpose by the Society of Antiquaries of London.

Svenska Akademien, Stockholm :
Ordbok öfversvenska spraket, 14 vols. and 11 parts, 1898–1942.

Professor G. Tillotson, Birkbeck College, sometime Lecturer in English, University College :
Copies of *Three Poems*, by A. E. Housman, printed in the Department of English at University College in 1935, together with correspondence relating thereto.

University of Uppsala :
860 volumes of Swedish literature.

Mr. E. W. Vincent :
E. W. Vincent and P. Hinton, *The University of Birmingham*, 1947.

Mr. T. C. Warrington :
Annual Reports on the Progress of Chemistry, 1–26, 1904–29 ; and Benjamin Franklin's *Works*, 2nd edition, in 3 vols.

Wellcome Historical Medical Museum :
Two scientific works.

Hr. L. J. Wilhelmsen, Royal Norwegian Embassy, London :
E. Bull, etc., *Det norske folks liv og historie gjennem tidene*, 11 vols., 1930–38.

Yale University :
One hundred volumes in memory of Edward Stephen Harkness, first President of the Commonwealth Fund in the United States and founder of the Pilgrim Trust in Great Britain.

In addition, the College Committee is grateful for the valuable gifts made to the Library by individual members of the academic staff of the College.

PUBLIC LECTURES

Lunch Hour Lectures have again been given during 1947, the programme being arranged by a committee of which Professor Keeton is chairman. The number of lectures delivered has shown a large increase over last year's total and, as a result of the recommendation of the Professorial Board in June, the subjects chosen have laid a greater emphasis on the College itself, and lectures during the Autumn Term were given exclusively by members of the College Staff.

Of the visiting lecturers, special reference should be made to Judge Erdsiek and Dr. H. Korsch, who consented to deliver lectures while on a visit to this country from Germany.

The following is the list of lectures given :—

By Members of the College :

Miss Jean H. M. Adams	" Boccaccio in English Literature "
Professor G. C. Allen	" Then and Now : A Comparison of the Economic Aftermath of the Two Great Wars " (Two lectures)
Mr. S. T. Bindoff	" A Planned Economy : Tudor Precedents and Parallels " (Two lectures)
Mr. M. L. Clarke	" The Individual and the State in Greek Thought " (Three lectures)
Professor H. J. Fleure	" Denmark and Social Reconstruction in Europe " and " Meanings of our Prehistoric Stone Monuments "
Mr. K. Garside	" German Libraries To-day : One Aspect of the Problem of Re-education "
Mr. I. C. Gröndahl	" Characteristics of Norwegian Literature "
Professor J. B. S. Haldane	" Biometry " and " Animal Genetics "
Mr. E. W. Handley	" Roman Comedy and English Literature "
Dr. R. A. Humphreys	" Policies and Tendencies in Latin America "
Dr. F. W. Jane	" The Botanist Looks at Timber "
Mr. H. T. Jessop	" Photo-Elasticity "
Professor J. F. Lockwood	" The Mind of Virgil "
Professor H. S. W. Massey	" Mathematics and Atomic Energy ", " Mathematics and the Modern Theory of Physics " and " Mathematics and Industry "
Professor G. J. Renier	" History and National Character—The English " and " History and National Character—The Dutch "
Professor C. J. Sisson	" English at University College—I. Modern Studies "
Dr. A. H. Smith	" English at University College—II. Mediæval Studies "
Mr. T. J. B. Spencer	" The Growth of English Interest in Modern Greece before the Time of Byron "
Professor D. M. S. Watson	" What Zoologists Do " (Two lectures)

By Visitors :

Mr. John Armitage	" Educating To-morrow's Child " and " The Future in Local Government "
Mr. H. L. Beales	" The Ten Hours Act of 1847 to the 40 Hour Week : A Centenary Evaluation "
Dr. M. Bonn	" The United States and British Imperialism ", " The Reparations Question " and " The German Problem "
Mr. W. Burmeister	" Politics and Education in Germany " and " The Economic Condition of Germany "
Judge Erdsiek	" The Impact of Nazi Law on Germany "
Dr. H. Korsch	" A German Account of Germany's Situation and Problems "
Mr. S. K. Ratcliffe	" India in Crisis " and " The United States To-day "
Dr. C. A. Smith	" Democracy in Europe To-day " (Two lectures) and " The Decline of Intellectual Freedom "

Inaugural Lectures have been delivered by newly appointed Professors as follows :—

Professor A. J. Ayer, Grote Professor of Philosophy of Mind and Logic	" Thinking and Meaning "
Professor J. Černý, Edwards Professor of Egyptology	" Paper and Books in Ancient Egypt "
Professor H. O. Corfiato, Professor of Architecture	" Evolution in Architecture "
Professor H. Dingle, Professor of the History and Philosophy of Science	" The Missing Factor in Science "
Professor S. E. Hollingworth, Professor of Geology	" Organisation in British Geology "
Professor A. H. M. Jones, Professor of Ancient History	" Ancient Economic History "
Professor R. Weiss, Professor of Italian	" The Dawn of Italian Humanism "
Professor C. A. Hart, Professor of Surveying and Photogrammetry	" Modern Influences on the University Aspect of Professional Training in Surveying "
Professor S. G. Vesey-FitzGerald . .	" The Future of Oriental Legal Studies "

On 14th October, a special lecture entitled " The English Archivist : A New Profession " was delivered by Mr. Hilary Jenkinson, C.B.E., M.A., F.S.A., Deputy Keeper, Public Records Office and Reader in Diplomatic and English Archives in the University of London. This lecture was given to inaugurate the new course in Archive Administration in the School of Librarianship and Archives (see page 62).

The following is a list of other public lectures that have been held at the College during the period under review :—

Special University Lectures

Chemistry

Professor Edmond Bauer of the University of Paris	" The Hydrogen Bond ", " Dielectric Phenomena considered as Reaction Velocities " and " Order and Disorder : Second Order Transformation "

History of Art

Dr. Johannes Wilde, formerly Custodian of the Kunsthistorisches Museum, Vienna	" Michelangelo and Sebastiano Veneziano " (Three lectures)

History and Philosophy of Science

Dr. E. J. Holmyard	" History of Chemistry in Islam " (Two lectures)

Human Anatomy

Professor M. W. Woerdeman of the University of Amsterdam	" Experimental Embryology of the Eye " (Two lectures)

Laws

Professor de La Pradelle of the University of Paris	" La place de l'homme dans la construction du droit international "

Pharmacology

Professor E. B. Verney of the University of Cambridge	" Osmotic Control of the Antidiurtic Function of the Neurohypophysis "

Scandinavian Literature

Professor Francis Bull of the University of Oslo	" English Influence upon Norwegian Literature " (Three lectures)

Zoology

Professor Sven Hörstadius of the University of Uppsala	" The Neural Crest. Its Properties and Derivatives in the Light of Experimental Research " (Three lectures)

Lectures arranged by College Departments.

Department of Anatomy

Professor J. Z. Young	" The Structure of Peripheral Nerve and of Nerve Endings " (Two lectures)

Department of Archæology

A Series of Six Lectures on " Museums and Education "

Professor K. de B. Codrington, Keeper, Indian Section, Victoria and Albert Museum	" The History of Museums and Education "
Mr. D. B. Harden, Keeper of Antiquities, Ashmolean Museum, Oxford	" The University and the Museum "
Dr. D. A. Allan, Director, Royal Scottish Museum, Edinburgh	" Museums and the Adult "

Dr. M. Burton, British Museum (Natural History)	" Museums and the Schools "
Mr. Patrick Meredith, Lecturer in Visual Education, University College, Exeter	" Museums, the Cinema and the Radio "
Mr. W. E. Swinton, British Museum (Natural History)	" The Future of Museum Education "
Dr. G. Becatti, Deputy Director of Excavations at Ostia	" Recent Discoveries at Ostia, the Port of Rome "
Dr. H. Bloesch of the University of Berne	" The Art of the Greek Potter "
Professor Enrico Josi, Inspector General of the Catacombs of Rome	" The Recent Discoveries under St. Peter's, Rome "

Department of Biochemistry

Dr. J. F. Danielli	" An Introduction to Experimental Cytology " (Eight lectures)
Dr. P. Johnson	" Physical-Chemical Investigation of Proteins " (Nine lectures)
Dr. W. T. J. Morgan	" The Biochemistry of Mucopolysaccharides " (Two lectures)

Department of Electrical Engineering

Professor R. O. Kapp	" The Presentation of Technical Information " (Four lectures)

Department of Pharmacology

Dr. F. Bergel	" Some Aspects of Pharmacological Chemistry " (Four lectures)
Dr. J. F. Danielli	" Cell Physiology and Pharmacology " (Six lectures)

Department of Phonetics

Dr. D. B. Fry	" Experimental Phonetics "
Professor Daniel Jones	" Phonetics and its Uses "
Miss Eileen McLeod	" The Application of Phonetics in Speech Therapy "
Dr. A. N. Tucker	" The Construction of Alphabets for Exotic Languages "

Department of Physiology

Dr. Bernard Katz	" Transmission of Excitation in Nerve and Muscle " (Six lectures)
Dr. M. H. L. Pirenne	" The Quantum Physics of Vision " (Three lectures) and " The Physiological Mechanisms of Vision " (Six lectures)

Department of Scandinavian Studies

Mr. I. C. Gröndahl	" A Twentieth Century Poet: Olav Aukrust " (Three lectures)
Mr. E. Mesterton	" Selma Lagerlöf " (Three lectures)

Department of Zoology

Professor Maurice Caullery of the University of Paris	" Marine Biology on the French Coast in the Last Hundred Years "

Lecture given by the College in conjunction with the School of Slavonic and East European Studies.

Professor Z. Vančura	" English Studies in Czechoslovakia Today "

Two series of lectures on Current Legal Problems were held during 1947 under the auspices of the Faculty of Laws, one series being delivered in the Spring Term and the other in the Autumn Term. Details of these lectures are as follows :—

Mr. R. C. FitzGerald	" The House of Lords and its Reform "
Dr. W. Friedmann	" The Public Corporation "
Miss Margery Fry	" Problem of the Death Penalty "
Professor A. L. Goodhart	" The Reform of Company Law "
Professor R. H. Graveson	" The Frontiers of the Common Law "
Mr. L. C. Green	" The Security Council and the Charter of the United Nations "
	" Law in Present Day Japan "
Professor H. F. Jolowicz	" Was Bentham a Lawyer ? "
Professor G. W. Keeton	" Legal Responsibility for Political Acts "
Mr. O. R. Marshall	" Criminal Law Reform "
	" The Prerogative of Mercy "
Dr. G. Schwarzenberger	" International Law and Organisation in the Atomic Age "
	" The Protection of Human Rights in British State Practice "
H.E. Tien-Hsi Cheng	" The Reform of Chinese Law "
Professor S. G. Vesey-FitzGerald	" English and Indian Law "
Professor P. H. Winfield	" The Law of Libel and the Press "

The biennial Galton Lecture given in the Department of Eugenics was revived in October, and was delivered by Professor Dr. Med. Ernst Hanhart of the University of Zürich. His subject was " Human Genetics with Special Reference to Deaf Mutism and Diabetes ".

The first Rickman Godlee lecture since the War has been arranged and will be given by Sir Ronald Storrs in May.

Arrangements have also been made for the Seton Memorial Lectureship to be revived, after a lapse of eleven years, and the 1948 lecture is to be delivered by Rev. J. R. H. Moorman, Principal of Chichester Theological College. This lectureship was founded in memory of the late Dr. Walter W. Seton, Fellow of the College and Secretary from 1904–27. The original trust deed stipulated that the subject of the lecture should be within the field of Franciscan Studies, but anticipating that there may be some difficulty in obtaining suitable lecturers in the future, the College Committee at its meeting in May resolved that Scottish History, especially Mediæval and in relation to Mary Queen of Scots and Heraldry, in which subjects Dr. Seton was Honorary Lecturer, should be added to the list of subjects.

ADMINISTRATION

There have been a number of important changes in the administrative staff in the past year which have involved new appointments of Secretary, Accountant and Publications Assistant.

Secretary of the College.

The retirement of the Secretary of the College must always mean a break with the past, but Mr. E. L. Tanner's retirement from that onerous position—in July of last year—meant a loss to the administration in a very special degree. He had held successively the posts of Finance Secretary and Secretary, and later, upon the sudden death of Sir Allen Mawer in 1942, he was for six months Acting Provost. The range and accuracy of his knowledge of the administrative machinery of the College, combined with his phenomenal memory, made him the fountain-head to which everyone turned for information of whatever kind about the College. And it was seldom, indeed, that Mr. Tanner had not the answer ready in his head. If reference had to be made to records, then he seemed to have a sixth sense which told him just where to look.

Throughout the period of the war when the College departments were widely dispersed among seven different centres, the essential degree of central administration was harmoniously maintained in spite of circumstances fraught with opportunities for misunderstandings. Under Mr. Tanner's guidance, too, the first stages of the war-damage repairs to the College buildings were planned and executed in time for the partial re-assembly in London in the autumn of 1944.

Brigadier E. A. L. Gueterbock, Deputy Chief of the Reparations, Deliveries and Restitutions Division of the Control Commission for Germany, succeeded Mr. Tanner in August.

For personal reasons, Mr. Walter Armstrong, the Finance Secretary and Accountant resigned his position on 31 July 1947 and returned to his home in County Durham. He joined the College from King's College, Newcastle-on-Tyne early in 1939 and served in the Army from 1940–45. During his comparatively short term of office, Mr. Armstrong had a firm grasp of University finance and the Committee greatly regretted his departure so soon after returning from military service. He has been succeeded by Mr. H. W. Claxton, O.B.E., of the Colonial Service, latterly in Nyasaland as Chief Accountant.

The retirement of Miss E. Muriel Jukes at the end of September brought to a close the long term of devoted service she has given to the College as a member of the administrative staff. Her association

with University College dates even further back than her staff appointment. She graduated with honours in English in 1910 ; and that intense loyalty to the College which has always been one of her outstanding characteristics, was rooted in the fact that she was in the first place an old student. In 1923, after holding several secretarial posts elsewhere, Miss Jukes returned to the College as private secretary to the Provost. Only those who remember the days when Sir Gregory Foster was Provost, served by the most faithful and indefatigable of private secretaries, can appreciate fully all that was involved in the unremitting toil of the next seven years. With tireless energy, however, unfailing courtesy, and an inherent kindness which, at the busiest moments, would send Miss Jukes out of her way to the help of others, she held the post until Sir Gregory's retirement in 1930. The short period of service as Alumnus Secretary which followed was terminated in 1932 by her appointment as Deputy Registrar. In this capacity she carried the responsibility for the work connected with College examinations and scholarships until the outbreak of war in 1939, taking it up again in 1945–46 before she resumed the office of Alumnus Secretary last session. The good wishes of all her friends at University College follow Miss Jukes into a retirement which, it is hoped sincerely, will bring restoration of health and many years of continued association with the College she has served so well.

Mr. J. W. Hunt, who has served in the College in various administrative capacities since 1934, resigned his post as Publications Clerk in July and sailed for South Africa soon afterwards. At a meeting just before his departure, Mr. Hunt was presented with a wrist watch by his colleagues and friends in the College. Mr. Hunt was succeeded by Mr. A. J. L. Cahill, a former student of the College, with the title of Publications Assistant. The new Publications Office in the Main Quadrangle was opened in April and adjoining it are offices for the Alumnus Secretary and a large office for Junior Confidential Clerks.

Mr. W. N. Pickford, Senior Accounts Assistant, who first came to the College in 1932, passed the final examination of the Chartered Institute of Secretaries in August and proceeded to a post as Accounts Assistant with the Zoological Society in October. Miss G. P. Davis was appointed Administrative Assistant in the Department of Physics and Mr. A. C. Jenner (Civil Engineering), Mr. W. G. Kuhne (Zoology), Miss Alice Lodge (Archæology), Miss Joan M. Sims (Geography), and Miss Jean Tudor-Pole became Departmental Assistants. Miss H. K. Anderson, Mr. H. J. W. Feasey, Miss E. A. Hibberd, Miss C. E. Hunn, and Miss J. M. Walker were promoted to Senior Confidential Clerks, Mr. R. Blackaby was appointed as an additional Senior Confidential Clerk in the Establishment office and Miss K. S. Hill in the same capacity in the Secretary's office. The following new Junior Confidential Clerks were appointed :—Miss C. E. Barnes, Miss P.M. Batchelor, Miss T. J. Beer, Miss B. M. Bleay, Miss M. A. Block, Miss B. M. Bray,

Miss C. G. Buckley, Miss J. C. Chandler, Miss M. H. Clemetson,Miss M. M. Coppinger, Miss A. M. W. Daubercies, Miss L. N. Hall, Miss E. Hanson, Miss M. Hedge, Miss A. W. P. Henson, Miss M. J. Horton, Miss J. E. Howard, Miss J. C. M. Hughes, Miss R. J. Maurice, Miss E. L. Mewes, Miss B. Sheard, Miss H. M. Wakeford, Miss H. R. Webster, Miss J. R. Whittome, and Miss E. B. Wilde, chiefly for duties in departmental offices. Miss Sybil Cowtan, Miss Elizabeth Hibberd, Miss M. J. Horton, Miss Diana Jackson, Mrs. D. Ann Linnell and Miss Nancy Saunders left to be married during the year. The following resignations were also accepted :—Miss I. M. Howe (Senior Confidential Clerk), Miss M. Collings, Miss S. Gold, Miss E. Orchard, Miss P. M. Shortis, Miss J. Terry, Miss M. Rowland and Miss H. R. Webster (Junior Confidential Clerks). The strengthening of the junior administrative staff means that adequate clerical assistance can now be provided for members of the academic staff.

Mr. F. W. Stroud retired from his position in the General Office in March after thirty-four years' service with the College. He will be remembered by several generations of students as Arts Beadle, to the duties of which he brought a firm discipline tempered with easy goodwill. During the evacuation of the College, he remained in Gower Street and rendered valuable service during the air raids. At a meeting in the Staff Common Room presided over by the Provost, Stroud was presented with a gold watch from his friends in the College. He was also the recipient of a set of silver tankards from the academic staff at a happy function presided over by Professor Willoughby, when Professor Daniel Jones and Dr. L. W. Tancock added their tributes to those of the chairman.

A much needed service in the College has been provided by the appointment of Sister H. Drinkwater as College Nurse. A Sick Bay was opened in the South Wing as a temporary measure in October and has proved invaluable to both staff and students alike. The establishment of a permanent health centre in the College is being planned in active association with the Student Health Association (see page 114).

At its meeting in December, the College Committee approved a revision of the administrative organisation of the College, involving adjustment of the duties of several of the senior members of the staff and the appointment of a new official, who will have the title of Bursar. Under the general direction of the Secretary of the College, he will be in charge of all building work and maintenance. He will be assisted by and work through the Architects, Consulting Engineers and the Superintendent of Buildings, and will arrange purchases of property etc. in conjunction with the appropriate University authorities. In addition to being responsible for the organisation of student hostels, he will also arrange for the provision and disposal of machinery, equipment and refectory supplies. The Committee hopes that the duties performed by the Bursar will hasten the restoration of the College buildings and the rebuilding programme as a whole.

An automatic telephone system with additional extensions within certain departments was installed by the Post Office early in 1947 and although a number of mechanical difficulties were experienced initially, the new installation has speeded up inter-communications in the College considerably.

The College beadles and assistant beadles were provided with new uniforms in October, the first issue since before the War. The re-appearance of the uniforms has added dignity to their functions and a pleasant touch of colour to the drabness of many of the College buildings.

There has been a number of changes in the personnel of standing committees. Professor de Beer succeeded Professor G. T. R. Hill as Chairman of the Refectory Committee, but had to resign on health grounds in November. The chairmanship was then taken over by Professor Lockwood who, with Dr. Florence N. David, had joined the committee *vice* Professor Keeton and Miss Olive M. Tooley. Professor G. C. Allen and Dr. B. Pattison represented the Men's Staff Common Room, Mr. A. S. Holness replaced Professor de Beer as the Managing Sub-Committee representative, Mr. H. Marklew represented the Administrative and Library Staff Association and Mr. G. Lines took the place of Mr. J. C. Elliott as a Union member. Other committee changes were as follows :—Slade Committee, Sir Kenneth Clark and Mr. Albert Rutherston, Ruskin Master of Drawing at Oxford, appointed additional members ; Library Committee, Professor A. J. Ayer, Professor S. Sugden, Professor R. Weiss and Mr. R. C. FitzGerald *vice* Professor H. H. Bellot, Dr. O. L. Brady, Professor J. F. Lockwood and Professor G. W. Keeton; Technicians' Sub-Committee, Professor H. J. Collins, Professor S. E. Hollingworth' Professor F. G. Young and Professor J. Z. Young, additional members. The constitution of the Students' Accommodation Committee was revised and Mr. D. O. Wood (Chairman), Dr. R. D. McLellan, Miss E. M. Megaw, Miss R. N. Small, Dr. F. C. Harris, Professor J. F. Lockwood and Dr. L. W. Tancock were elected. Student representatives were invited to attend certain meetings of this committee for the first time.

The lease of Stanstead Bury, the war-time administrative headquarters of the College, was terminated in October. Since the return to London, the mansion was used as storage space for the library and it provided emergency residential accommodation for several members of the staff.

STUDENT LIFE

Since the last report, the joint Union of men and women students with Mr. Eric Harbord as President, entered into the second year of its existence. Now that the first enthusiasms have waned, the difficulties inherent in the running of such a large body have become more apparent and they have been aggravated by the lack of active support from the majority of students. In the present circumstances, the President considers that this attitude is fully understandable and may be attributed to three main factors. Many students found themselves unable to participate in evening activities because of the time wasted in travelling to and from College. The results of an investigation made in March showed the average travel time per day to be one hour twenty-eight minutes. Secondly, lack of amenities, primarily due to lack of space but partly due to the fall in the purchasing power of the subscription, prevented full social life in the Union after working hours. Thirdly, although a large proportion of the active members of the Union were from the Services, the majority of such students, having already acquired interests and responsibilities outside college life, could not be expected to take any great interest in the Union.

The administration of the elaborate constitution of the new Union tended to stultify initiative and eagerness, and the business of general meetings became that of amending the constitution rather than that of establishing major policy. This, in itself, caused some fall in the interest shown by the ordinary student and it was found necessary to reduce the quorum from 200 to 100. Council, a body fully representative of each student year, now has 128 members, and this large size has proved so unwieldy and inefficient that a constitution sub-committee was set up to decide ways and means of reducing it. Members of the executive and other officials, who had to implement the decisions of council and general meetings, to take day to day decisions and to act as the contact between the Union and such external bodies as the College authorities, the University of London Union and the National Union of Students, were heavily overworked. That the ordinary Union member realised that this was so, was evident from the fact that candidates for office in the 1947 elections were slow to come forward, that there was only one nomination for the post of Woman Secretary and none for that of Man Secretary. Many officials found it necessary to resign from office after serving less than three months. The general result was the concentration of a number of varied posts in the person of a single student with a resulting decrease in the smooth running and an increase of " clique " government. It became obvious that a paid assistant was necessary and Council decided to appoint a permanent Secretary

so that some continuity could be maintained in organisation. Lieut. Colonel H. G. T. de Sausmarez took up this post early in 1948.

It was felt, nevertheless, that once the machinery of government was running efficiently, the joint Union would prove to be more satisfactory than the older system of separate men's and women's unions. The President considers that notwithstanding the present difficulties, it has already proved its worth and at no time was there a division of the sexes on any issue before the Union.

The University of Tübingen in the French zone of Germany has been adopted ; books, magazines and newspapers have been sent, correspondence between the Unions and between individuals has been established, and in the Easter vacation, a delegation from the College visited Tübingen.

The student members of the Refectory Committee have been extremely active and have taken a responsible part in the management. Student labour has been organised for the new refectory, and without this help it is doubtful whether half the actual number of lunches would have been served. A bar was established in the large lounge and has fulfilled a long felt need. A Union shop for the sale of tickets, notepaper, magazines, etc., was opened in the small lounge.

An extensive programme of activities for Foundation Week was carried through successfully. Full details are given on page 114.

The Central Athletics Board, under the chairmanship of Miss Mary Wilkes, has had a most successful season. Many new clubs were started, and although there was always the major difficulty of shortage of pitches and other accommodation, those students who were unable to reach the standard required by the college teams had a number of opportunities to exercise themselves in their favourite sport. The gymnasium has been re-equipped and Men's and Women's Gym Clubs formed. The Colours award system was completely revised. It will be some time before the grounds at Shenley are fully available ; the plans have been altered to allow for one pavilion, instead of separate ones for men and women.

The Debating Society, the oldest student society in the University of London, included in its programme for the year debates on political, religious and ethical subjects and these were held before crowded houses, with speakers of public importance leading vigorous and skilled discussions. The Dramatic Society gave, as Foundation Play, the first performance in England of Jean Paul Sartre's existentialist play " The Flies ", and at the Assembly of Faculties performed " Everyman " on the steps of the portico, before a crowded audience on the lawns. In addition " A Phœnix Too Frequent " was produced at Trent Park Training College, an Emergency Training College with which the Union has the most friendly relations, and one-act plays were entered for the University Dramatic Society's Festival. " The Flashing Stream " by Charles Morgan was chosen as the Christmas Play, and there were

evenings of play and poetry reading and country dancing during the winter terms. An innovation was " The Play Shop," at which members produced and performed short scenes of their own choice for the entertainment of the rest of the Society.

The second post-war presentation of *The Little Plays of St. Francis*, by Laurence Housman in January proved highly successful and there were large audiences throughout the week. Mr. Lawrence Cahill, Publications Assistant of the College, and an old student, was the producer, two series of plays being presented, viz.; *First Series* " The Revellers ", " Fellow Prisoners ", " The Bride Feast ", " Our Lady of Poverty ", " Naked Truth ", " The Lepers " ; *Second Series* " Brother Juniper ", " Brother Elias ", " Makers of Miracle ", " Juniper's Miracle ", " Holy Disobedience ", " Fool's Errand ". The production of these Franciscan plays was initiated in 1925 by the late Dr. Walter W. Seton, Secretary of the College, and this was the nineteenth programme of the series.

The Music Society, with a membership of over three hundred, gave a varied programme of live and recorded music. The gramophone record library is gradually taking shape and a ticket agency, on a voluntary and gratuitous basis, proved a great success.

There were forty-five other active societies of the Union, but space does not permit any detailed account of their activities. Worthy of mention, however, is the political activity of the weekly Union " soap-box " meetings.

" Pi," the College newspaper, continued regular publication, but it is not the official organ of the Union, as stated in the last report. It is a fortnightly newspaper written quite independently of the Union, free to criticise and praise as it wishes and as such, with a circulation around 1,500 copies, it proved a strong bond between members of the Union. " New Phineas ", the College magazine, issued termly, not only changed its cover design but also its general format.

The Entertainments Committee, under the chairmanship of Mr. Derek Tow, organised the Foundation and Christmas Balls, the dances, the Saturday Night Hops and Socials (the latter with assistance from the Dramatic Society), and dancing classes with the quiet efficiency and success that has become the keynote of this committee.

Student members of the Union have gained distinction outside the walls of the College. Miss Hannah Steinberg, last year's Woman Vice-President, is the President of the University of London Union, Mr. Gordan Hall is President of the Men's branch of the University of London Athletic Union and three other posts in the Athletic Union are held by College members.

THE REFECTORY

The damage caused to the main building by enemy action during the war has weighed very heavily on the organisation of the Refectory. Much of the equipment was already out of date and in need of replacement. The move from the old premises to the concrete huts in the South quadrangle during the long vacation was a major operation and great credit is reflected on all concerned—the Steward and her staff, the Superintendent of Buildings and the Works staff and the various outside contractors involved in the ancillary services.

During the initial stages of re-building, the Refectory is able to retain the use of the Upper Refectory and Octagon for the service of morning coffee, luncheon coffee, society tea parties and evening functions and dances. The increased use of the gymnasium for athletic purposes transferred many activities to the Upper Refectory and the continued use of this space was much appreciated by students. Unhappily, th re-building will make further removal necessary at an early stage and the provision of suitable alternative accommodation is being explored.

Rising costs and difficulties in the supply of food have made the Refectory Committee's task during the year an extraordinarily exacting one, while there are many students whose allowance for meals is inadequate. As prices have remained practically unchanged since the re-opening of the refectory in 1944, an inquiry into costs has been undertaken by Mr. Tanner.

THE WINIFRED SMITH AND MAUDE FOSTER MEMORIAL

(The Old Forge, Chiddingly, Sussex)

The Old Forge at Chiddingly was purchased as a memorial to Miss Winifred Smith (Tutor to Women students, 1912–25), for use by women students and staff of University College and of College Hall at week-ends and during vacations ; the adjoining cottage, " Sunnyside ", was left to the College by Sir Gregory Foster in memory of his wife, and forms part of the same trust. " Sunnyside " was let, but one bedroom was available if further accommodation was required by visitors to the Old Forge.

During the war, while the College was evacuated, The Old Forge was also let. It has not yet proved possible to restore it to its former use ; the tenant has therefore been allowed to remain in occupation and the rent of both cottages is being allowed to accumulate.

THE OLD STUDENTS' ASSOCIATION

The informal dinners and meetings, having proved so popular, were continued. At the second and third of these functions last session, the guest speakers respectively were Professor A. V. Hill, who spoke on " The Real Needs of India " and Professor A. E. Richardson on " The Architecture of London, Old and New ". The Annual Dance was held at the St. Pancras Assembly Hall and was greatly enjoyed by 160 members and friends. For the first time in the history of the Association, the Annual Dinner could not be arranged in College. It was held on 7th May at the Connaught Rooms, 91 members being present and the principal guests were Sir Jack Drummond and Dr. Edith C. Batho. Unfortunately, Professor Norman H. Baynes, who was also to have been a guest, was unable to be present owing to illness. The handbook was compiled and circulated, thanks to the efforts of Miss Oldham and Miss Jukes, Alumnus Secretaries.

LIVING ACCOMMODATION

The College maintains two hostels for women students, one in Cartwright Gardens under the supervision of Dr. and Mrs. F. C. Harris, and the other in three houses in Gower Street. Dr. and Mrs. L. W. Tancock were in charge of this hostel from its opening in 1945 until December 1947 and, despite numerous difficulties, succeeded in building up a sound tradition and a keen sense of team work amongst the resident women students. Miss Megaw acted as temporary Warden in January and February 1948, pending the appointment of a full-time Warden.

Although vigorous efforts have been made by the College Committee to acquire suitable premises for hostels for men students, no satisfactory solution has been found during the year and the search continues. The hostels are administered by the Students' Accommodation Committee, of which the Senior Tutor is chairman, and at one meeting each term student representatives have an opportunity to bring suggestions and complaints to the notice of the committee. Interior decorations were carried out during the long vacation and autumn term at Gower Street and substantial repairs were also effected at Cartwright Gardens where the severe weather had shown up structural weaknesses last winter.

The Tutor to Women Students has been responsible for allocating College Rooms to students and Mrs. L. Shirlaw, the newly appointed University Lodgings Officer, has found suitable accommodation for many more students in the suburbs.

The College has acquired two small blocks of houses, one in Kensington, the other at Earl's Court, for conversion into flats for members of the academic staff.

STUDENT HEALTH ASSOCIATION

During the year under review, the Student Health Association continued to administer its insurance and mass radiographic schemes. In November the L.C.C. Mass Radiography Unit visited the College and photographed upwards of twelve hundred students and members of the academic, administrative and technical staffs. The most important innovation was the establishment, at the beginning of the session 1947–48, of a Health Centre in the College. The Centre is the joint responsibility of the Association and the College, both of which assist in its finance and administration. The number of visits already paid has demonstrated the need for such a service in the College, and the question of the future development of the Centre, especially in relation to the National Health Service Act, is under active consideration.

Dr. A. G. Spenser of University College Hospital has been appointed part-time medical officer with attendance at the Health Centre daily, between 12 and 1. The following have been elected College Committee representatives on the Association: Dr. D. Heron, Mr. G. Clark, Miss E. M. Megaw, Mr. S. T. Bindoff and Professor F. R. Winton.

SPECIAL EVENTS

Foundation Week, celebrated from 18th to 22nd March, opened with the Foundation Play, "The Flies" (Jean Paul Sartre), of which five performances were given by the College Dramatic Society. Dr. G. B. Jeffery, Fellow of the College, Director of the University Institute of Education and formerly Astor Professor of Mathematics, delivered the Foundation Oration in the Sir William Beveridge Hall of the Senate House on 18th March, the subject being "The Meaning and Purpose of Education". The Foundation Concert took place later the same evening and the programme, presented by the Music Society under Dr. Bernard Robinson, included a rendering of madrigals by the Madrigal Group. The Foundation Games against King's College were played at Mitcham on Wednesday of the week and the usual dance in the Gymnasium followed in the evening. The Foundation Ball was held outside the College on this occasion, Seymour Hall, Baker Street, being the venue on Thursday 20th March. There was a three hour Scavenger Hunt on Friday followed on Saturday by the Women Students' At Home in the Slade School and the Debate, with which the week concluded, on Monday 24th March, on the subject "That This House Has No Confidence In His Majesty's Government".

The *Fellows' Dinner* was held in the Refectory on 18th April, the Provost presiding over 48 guests, including Lord Kennet of the Dene, Honorary Fellow of the College, who proposed the toast "The College", which was drunk, as in former years, in the Rouse Ball and W. P. Ker Loving Cups. His Excellency the Chinese Ambassador and Lord Layton, both Fellows, were among those present. Miss Clara E. Collet, unable to be present, but wishing to join in commemorating the spirit in which University College London was founded, offered a prize of £40 to the Fellow of the College, over 60 years of age, who presented the best report to the Provost on the following subject;

> *The Life, Lectures, and Printed Pamphlets of the Rev. William Whiston, Lucasian Professor of Mathematics, expelled from the University of Cambridge by the unanimous vote of the Heads of Colleges present, Professor Richard Bentley absenting himself.*

The prize was later awarded by Miss Collet to Mr. Arthur Rowntree.

The Provost entertained the Chancellor of the University (The Rt. Hon. The Earl of Athlone) and the Chairman of the College Committee (The Rt. Hon. Viscount Sankey) to lunch on 6th May.

The eighteenth *Ramsay Memorial Dinner* was held on 26th June, with the Provost in the Chair. The Ramsay Memorial Fellowships Trust was constituted in 1920 for the purpose of administering the Ramsay Fellowships for Chemical Science which were founded as one part of the memorial to the late Professor Sir William Ramsay, Professor of Inorganic and General Chemistry at University College London, who died in 1916. "The Memory of Sir William Ramsay" was proposed by Sir Henry Tizard and "The Ramsay Memorial Fellows" by Professor Eric K. Rideal. Mr. Arthur T. Austin and Dr. Halvard Liander responded. Amongst those present were Sir Robert Waley Cohen (Chairman of the Ramsay Trustees), His Excellency the Swiss Minister and Countess Rvegger, and His Excellency the Netherlands Ambassador and Mme. van Verduynen.

The annual *Assembly of Faculties* was held in Friends' House on 1st July. A full account of the proceedings is given in Appendix V (page 133).

The Slade Play, "The Judgment of Paris" (George Peele), was presented by Slade students in the Gymnasium on 26th and 27th June and was followed by a buffet supper in the Union Huts.

On 28th and 29th July, parties were entertained by the Faculty of Medical Sciences at the conclusion of the 17th International Physiological Congress. During the week beginning 15th September, the Twelfth Annual Congress of the International Society of Surgery was held at the College, a Surgical Exhibition being arranged in the new refectory at the same time.

On 19th November, the Provost entertained to dinner the members of the staff of the Works Department whose hard work had made it possible for the temporary buildings, particularly the new refectories, to be brought into use in October. Representatives of each of the firms of contractors concerned with the work were also invited.

The Provost and Mrs. Pye were at home to members of the College Committee and the academic staff in the Slade School on 19th December 1947.

The bi-centenary of the birth of Jeremy Bentham.

Celebrations in honour of the bi-centenary of Jeremy Bentham's birth (15th February) were postponed until 8th June 1948, when a lecture will be delivered by Professor Everett of Columbia University, U.S.A., to be followed by a dinner and a further lecture by M. Gagnebin of the University of Geneva.

Professor Jolowicz delivered a special lecture on " Bentham and the Law, 1748–1948 " on 5th February, preceded by a tea which was largely attended by representatives of the legal profession.

During the past year, hospitality has been extended to the following societies and organisations for meetings at the College :—

Anatomical Society
Anglo-Arab Association
Anglo-Nietzsche Society
Association of Supervising Electrical Engineers
Association of University Teachers
Atomic Scientists' Association
British Herpetological Society
British Institute of Philosophy
British Pharmacological Society
British Psychological Society
English Goethe Society
Experimental Stress Analysis Group
Geographical Association
Historical Association
Institute of Public Administration
International Society of Surgeons
Jewish Historical Society
London Association of University Women
London Institute of World Affairs
London Mediæval Society
Modern Humanities Research Association

Old Contemptibles' Association
Physiological Society
Society for Endocrinology
Society for Experimental Biology
Society of Public Analysts
Strolling Players Orchestra
Westfield College
Workers' Educational Association

ROBERT WALEY COHEN,

Vice-Chairman.

APPENDIX I.

RETURN OF ATTENDANCES OF THE MEMBERS OF THE COLLEGE COMMITTEE from 1st March 1947 to 29th February 1948.

Members of College Committee.	Attendances.		
	College Committee. 7 meetings.	Managing Sub-Committee. 9 meetings.	Finance Sub-Committee. 7 meetings.
Chairman (Viscount Sankey) §	–	–	–
Vice-Chairman (Sir Robert Waley Cohen)*†	7	8	4
Treasurer (Mr. A. Digby Besant)*†	5	7	7
Treasurer (Dr. David Heron)*†	6	8	6
Provost (Dr. D. R. Pye)*†	7	8	5
Prof. E. N. da C. Andrade*	1	1	–
Mr. Arthur Brian Ashby	3	–	–
Dr. O. L. Brady*	5	6	–
Prof. H. J. Collins*	6	8	–
Prof. G. R. de Beer*	7	9	
Mrs. Barbara Drake*†	6	6	3
Dr. P. Dunsheath*†	5	4	3
Sir Alexander Gibb	1	–	
Prof. H. P. Himsworth	3	–	–
Mr. A. S. Holness*†	6	8	6
Prof. H. F. Jolowicz*	5	9	–
Prof. J. F. Lockwood*	7	9	
Mr. G. W. Odey	0	–	
Mrs. J. Rodgers	2	–	–
Miss C. E. Wickers	2	–	

* Member of the Managing Sub-Committee.
† Member of the Finance Sub-Committee.
§ Resigned, May 1947.

APPENDIX II.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

(1946–47)

	Under-graduates.	*Post-graduates.*	*Evening Students.*	*Totals.*
UNITED KINGDOM—				
London	480	105	57	642
Home Counties (30 miles radius)	876	102	51	1029
Remainder of United Kingdom	908	77	36	1021
BRITISH EMRIRE—				
Australia	5	15	—	20
British East Africa	7	—	2	9
British Guiana	7	1	2	10
Canada	2	6	—	8
Ceylon	10	3	4	17
Cyprus	1	1	—	2
Eire	5	1	—	6
Gibraltar	1	—	1	2
Hong-Kong	1	—	—	1
India	29	52	5	86
Malaya	3	—	1	4
Mauritius	4	—	—	4
New Zealand	7	8	1	16
Malta	2	1	—	3
South Africa	13	12	1	26
West Africa	14	6	11	31
West Indies	17	4	3	24
OTHER PARTS OF THE WORLD—				
Austria	5	2	1	8
Belgium	4	1	1	6
Burma	2	—	—	2
China	1	2	1	4
Czechoslovakia	8	2	1	11
Denmark	4	2	1	7
Egypt	9	16	1	26
Finland	—	1	—	1
France	33	2	—	35
Carried forward	2458	422	181	3061

	Under-graduates.	*Post-graduates.*	*Evening Students.*	*Totals.*
Brought forward	2458	422	181	3061
Germany	—	1	—	1
Greece	8	3	—	11
Holland	3	1	—	4
Hungary	—	—	1	1
Iceland	5	—	—	5
Iran	1	1	—	2
Iraq	1	1	—	2
Italy	3	—	1	4
Luxembourg	1	—	—	1
Mexico	1	—	—	1
Norway	32	—	—	32
Palestine	18	3	15	36
Panama	1	—	—	1
Poland	34	4	—	38
Portugal	2	—	3	5
Russia	2	—	1	3
Spain	1	—	—	1
Sweden	9	1	—	10
Switzerland	14	2	—	16
Syria	—	1	—	1
South America	10	1	2	13
Turkey	2	1	—	3
United States of America	1	1	—	2
Totals	2607	443	204	3254

SUMMARY.

British Isles	2692
Rest of the Empire	269
Other parts of the World	293
	3254

APPENDIX III.

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE.

ACCOUNTS

For the Year ended 31st July 1947.

College Income and Expenditure.

General Balance Sheet.

UNIVERSITY OF LONI

Dr. COLLEGE INCOME AND EXPEND

1945–46. £	EXPENDITURE.	£ s. d.	1946–47. £ s. d
	To Administration :—		
19,501	Salaries of Administrative Officers and Clerical Staff (including Insurance and Family Allowances) ...	28,709 11 3	
1,593	Superannuation and Pensions, Administrative Staff...	2,279 3 1	
143	Advertising	504 11 3	
4,466	Printing, Stationery, Postages and Telephone.....	9,265 13 2	
220	Audit and Legal Fees	335 4 5	
1,073	Other Expenses	1,840 9 1	
26,996			42,934 12
	To Departmental Maintenance :—		
	Salaries of Teaching Staff :—		
	Professorial (including Family Allowances) £75,005 9 1		
	Non-Professorial (including Insurance and Family Allowances) 148,370 12 4		
160,174		223,376 1 5	
15,277	Superannuation and Pensions Teaching Staff	21,023 16 11	
472	Public Lectures	713 10 9	
21,073	Departmental Wages (including Insurance and Family Allowances)	37,982 6 0	
20,051	Departmental and Laboratory Maintenance met from General Income	52,377 10 10	
6,652	Departmental and Laboratory Maintenance met out of Apparatus Reserve Fund	5,000 0 0	
1,637	Departmental and Laboratory Maintenance met out of Trust and Special Funds and Donations	5,048 7 8	
4,255	Salaries of Librarian and Library Staff (including Family Allowances)	6,271 16 6	
419	Superannuation and Pensions, Library Staff.....	621 1 1	
3,854	Libraries	6,169 0 5	
522	Other Expenses	874 16 4	
234,386			359,458 7 1
	To Maintenance of Premises :—		
7,867	Rates and Insurance	9,790 14 6	
10,086	Heat, Light and Water (including Wages of Stokers, etc., and Family Allowances)	13,785 4 6	
7,677	Ordinary Repairs and General Maintenance of Buildings	8,878 11 11	
14,991	Wages of Porters and Attendants (including Insurance and Family Allowances)	22,563 6 5	
230	Grounds	348 17 9	
590	Household Stores	1,295 9 8	
—	Furniture	1,986 13 9	
82	Crabb Robinson Fund (for Athletic Grounds, Halls, etc.) (*per contra*)	195 0 0	
578	Other Expenses	643 8 1	
42,101			59,487 6
	To Pensions :—		
	Pensions to Retired Members of Staff, met out of :—		
325	Trust Funds (*per contra*)	325 0 0	
1,359	General Income	1,391 0 9	
1,350	Servants' Pensions met from General Income	1,350 0 0	
3,034			3,066 0
	To Other Educational Expenses :—		
104	Examiners' Fees		154 11
1,419	*To* Rents and Other Payments for Use of Buildings		2,798 3
	To Fellowships, Scholarships, and Prizes :—		
2,897	From Endowments	3,576 7 11	
1,158	,, General Income	2,249 9 1	
401	,, General Income (Exhibition Bursaries and Special Fee Remissions) (*per contra*)	405 18 6	
378	,, Special Donations	846 12 3	
4,834			7,078 7
£3 *2,874*	Carried forward		£474,977 10

IVERSITY COLLEGE.

COUNTS FOR YEAR ENDED 31ST JULY 1947. *Cr.*

RY

1945–46. £	INCOME.	£ s. d.	1946–47.
	By Endowments (Trust Funds) : Appropriated for :—		
13,798	Salaries and Superannuation of Teaching Staff	17,117 16 10	
2,438	Scholarships and Prizes	2,792 6 9	
14,185	Faculty of Medical Sciences (Holme and Rockefeller Sustentation Funds)	15,279 16 0	
5,196	Chemical Engineering and Galton and Biometric Laboratories	6,388 5 5	
82	Athletic Grounds, Halls, etc. (Crabb-Robinson Fund) (*per contra*)	195 0 0	
325	Retired Professors' Pensions (*per contra*)	325 0 0	
5,423	Purposes other than above	6,001 10 10	
41,447			48,099 15 10
	By Donations and Subscriptions : Appropriated for :—		
2	*General Purposes*	—	
2,914	Special Purposes	6,755 4 7	
378	Scholarships and Bursaries	846 12 3	
452	Apparatus charges	1,876 3 1	
3,746			9,477 19 11
	By Appropriations from Reserves :—		
—	General—Towards Departmental Maintenance	20,000 0 0	
459	General—for Scholarships	784 1 2	
160	Library—for Expenditure	144 11 3	
619			20,928 12 5
	By Special Funds (appropriated to meet expenditure) :—		
261	Eugenics and Statistics Publications	421 2 8	
6,651	Special Apparatus Reserve	5,000 0 0	
1,146	Students' Purposes	1,344 3 8	
105	*War Memorial Scholarships*.....	—	
14	Library Deposits	15 5 7	
525	German Library	4 12 2	
—	Anatomy Radiographs	128 6 8	
—	Chemistry Loans Collection.....	256 0 0	
—	Rockefeller Site Building and Equipment	48 0 0	
8,702			7,217 10 9
	By Grants allocated by the Court of the University :—		
185,427	Recurrent Grant : General 235,427 0 0		
24,573	Medical 44,573 0 0		
210,000		280,000 0 0	
	Less Transferred to Special Funds :—		
105	German Library	105 0 0	
209,895		279,895 0 0	
2,640	Home Counties Grant	2,639 10 0	
212,535			282,534 10 0
£267,049	Carried forward		£368,258 8 11

UNIVERSITY OF LOND

Dr. COLLEGE INCOME AND EXPENDI

ORDIN

1945–46.	EXPENDITURE (*cont.*)	1946–47.	
£		£ s. d.	£ s.
312,874	Brought forward		474,977 10
	To Students' Societies :—		
	Payments to Union Societies :—		
3,934	University College, London.....	5,093 11 0	
488	University of London Union	559 0 0	
131	Other Payments from Students' Purposes Fund ...	123 0 0	
4,553			5,775 11
1,950	*To* Interest on mortgage on Gordon St. Frontage		1,881 1 1
	To Other Expenses :—		
225	Institute of Historical Research—Grant to Library (American History Fund)	237 19 0	
17	Working Men's Societies (Peel Fund)	12 2 6	
2,386	Miscellaneous Expenditure	1,730 3 10	
—	Bank Charges	195 11 1	
2,628			2,175 16
322,005			484,809 19
23,821	*To Excess of Ordinary Income over Ordinary Expenditure* ...		—
£345,826			£484,809 19

NIVERSITY COLLEGE.

COUNTS FOR YEAR ENDED 31ST JULY 1947 (*cont.*). *Cr.*

tinued).

1945–46.	INCOME (*cont.*)				1946–47.		
£		£	*s.*	*d.*	£	*s.*	*d.*
267,049	Brought forward				368,258	8	11
	By Fees :—						
75,746	General (Including £355 for Intercollegiate Teaching)	99,748	8	2			
653	Examination and Registration Fees	1,234	15	1			
401	Exhibition Bursaries and Special Fee Remissions (*per contra*)	405	18	6			
76,800		101,389	1	9			
601	*Less* Intercollegiate Fees paid	765	16	4			
76,199					100,623	5	5
	By Other Income :—						
	Interest and Dividends :—						
188	*Bank Interest*		—				
—	Dividends on General Investment	97	3	8			
640	Bawden Fund	640	0	0			
901	Houses and Land	811	18	3			
1	Societies (for service, etc.)	22	10	0			
255	Lockers	321	1	0			
8	Sale of Calendars, etc.	12	11	0			
70	Administration Charges	75	0	0			
419	Keys	137	8	9			
96	Miscellaneous	552	18	11			
2,578					2,670	11	7
345,826					471,552	5	11
—	*By* Excess of Ordinary Expenditure over Ordinary Income carried to Balance Sheet				13,257	13	9
£*345,826*					£484,809	19	8

UNIVERSITY OF LON

Dr. COLLEGE INCOME AND EXPEN

1945-46. £		1946-47 £ s.
2,104	*To* Evacuation Expenses	193 18
301	,, Temporary accommodation of Library	327 4
9,534	,, War Damage, Repairs, etc. (total expenditure to date £48,593)	7,127 2
584	,, Surveyor's Fees, War Damage Claims	99 7
—	,, ,, ,, Temporary Occupation of Site	52 10
—	,, Alterations to Foster Court Ceilings	279 11
—	,, Alterations to Slade Lighting	211 9
—	,, Alterations to Architecture Lighting	195 11
—	,, Installation of Internal Automatic Telephones	3,352 12
408	,, New Lifts—Chemistry Department	308 16
248	,, Reconditioning of Slade Basement	330 16
—	,, 21-24 Gordon Square—Protection against dry rot	43 16
—	,, Professional Fees—preparation of Quantities, etc.	705 5
—	,, Architecture Stools and Benches	817 6
—	,, New Chairs	363 6
4,230	,, Deficit on Catering at Stanstead Bury	245 3
831	,, *Preparation of Plans for Reconstruction of College**	—
37	,, *Insurance under War Damage Act*	—
562	,, *Medical Sciences re-instatement**	—
491	,, *Anatomy Dissecting Room Lighting*	—
6,357	,, *Huts and Equipment**	—
1,772	,, *Foster Court re-decoration*	—
48	,, *Refectory equipment**	—
250	,, *Purchase of Lorry*	—
27,757		14,653 19
—	,, Excess of Extraordinary Income over Extraordinary Expenditure carried to Balance Sheet	40,444 12
£27,757		£55,098 11

* Transferred to Rehabilitation and Development.

REHABILITA

Dr.

	PAYMENTS.	1941–46. £ s. d.	1946–47. £ s. d.	Total. £ s.
1.	Preparation of plans for reconstruction of the College	3,449 17 8	2,179 9 11	5,629 7
2.	Reconstruction of Main Building		3,165 12 0	3,165 12
3.	Huts and Equipment	2,558 15 11	23,628 19 9	26,187 15
4.	Excavation to East of South Cloisters	3,798 3 0	900 3 9	4,698 6
5.	Refectory Equipment	48 5 0	3,598 4 1	3,646 9
6.	Junior Chemistry Laboratory		484 16 8	484 16
7.	Hostels—Initial Expenditure	6,924 13 3	1,203 9 0	8,128 2
8.	New Laundry, etc.		2,502 2 0	2,502 2
9.	Equipment of Engineering Workshop	1,646 13 10	1,515 12 7	3,162 6
10.	Reorganisation of College Electricity System		11,888 0 3	11,888 0
11.	Auxiliary Generating Plant		2,200 0 0	2,200 0
12.	New Boilers for Chemistry Dept.		182 12 10	182 12
13.	Steam lines for new boilers		243 17 7	243 17
14.	Chemical Fume Extraction Cupboard		63 19 2	63 19
15.	Chemistry Crystallography Laboratory		329 4 6	329 4
16.	Arrears of Maintenance, Decoration, etc.	561 18 4	5,367 11 5	5,929 9
		£18,988 7 0	£59,453 15 6	£78,442 2

IVERSITY COLLEGE.

COUNTS FOR YEAR ENDED 31ST JULY 1947 (*cont.*)

Cr.

DINARY

1945–46. £			1946–47. £ s. d.
	By War Damage Commission—		
9,893	Received on account for repairs, etc. (total received to date £43,863)		346 2 7
584	,, Ditto—Amount received for Surveyor's fees		62 5 0
—	,, Rebate on Anatomy Dissecting Room Lighting Equipment (paid for in 1945–46)		161 17 0
3,429	,, Rent and compensation for temporary occupation of buildings and site		1,266 19 8
—	,, Ditto ditto amount received for Surveyor's fees		52 10 0
	,, Capital Grants allocated by Court of University and University Grants Committee :—		
	Received on Account—		
—	For arrears of Equipment		33,844 0 0
—	,, arrears of Maintenance		6,000 0 0
13,906			41,733 14 3
—	,, Expenditure in years 1940–41 to 1945–46, on Rehabilitation and Development now written back*		13,364 17 8
13,851	,, *Excess of Extraordinary Expenditure over Extraordinary Income*		—
	*Made up of :—		
	Expenditure in 1941–46 on Rehabilitation and Development	£18,988 7 0	
	Less College Rooms cost of Equipment, etc. *vide* Balance Sheet 31st July, 1946	5,623 9 4	
		13,364 17 8	
£27,757			£55,098 11 11

ND DEVELOPMENT

Cr.

RECEIPTS.	1941–46. £ s. d.	1946–47. £ s. d.	Total. £ s. d.
Capital Grants Received on Account—			
3. Huts and Equipment		24,511 0 0	24,511 0 0
4. Excavation to East of South Cloisters		4,698 0 0	4,698 0 0
5. Refectory Equipment		1,716 0 0	1,716 0 0
7. Hostels—Initial Expenditure		2,500 0 0	2,500 0 0
9. Equipment of Engineering Workshop		2,869 0 0	2,869 0 0
10. Reorganisation of College Electricity System		11,669 0 0	11,669 0 0
12. New Boilers for Chemistry Dept.		183 0 0	183 0 0
13. Steam lines for new boilers		244 0 0	244 0 0
Excess of Payments over Receipts carried to Balance Sheet	18,988 7 0	11,063 15 6	30,052 2 6
	£18,988 7 0	£59,453 15 6	£78,442 2 6

LIABILITIES AND CAPITAL.

	£ s. d.	£ s. d.
COLLEGE GENERAL CAPITAL ACCOUNT :—		
Balance, 31*st July* 1946	750,399 13 5	
Add : Endowment of Teaching Fund, income invested	151 14 1	
		750,551 7
TRUST FUNDS (*as per separate Balance Sheet*)	1,076,044 0 2	
Less : University College General Account	39,052 4 2	
		1,036,991 16
RESERVE FUND :—		
General and Medical	41,508 17 3	
Library	2,148 8 0	
		43,657 5
REDEMPTION FUND ACCOUNTS		15,302 13
MISCELLANEOUS CAPITAL FUNDS :—		
Completion of Engineering Laboratories Account	205 1 2	
Gower Street Front Fund	272 10 0	
H. L. Jackson Gift Fund	3,002 16 5	
Rockefeller Site, Building and Equipment Account	12,056 15 4	
Endowment of Teaching Fund	152 16 0	
Rebuilding Fund	25,449 19 4	
Maintenance Fund	191 8 11	
		41,331 7
SUPERANNUATION FUNDS HELD ON BEHALF OF BENEFICIARIES		893 6
LOAN FUND ACCOUNTS :—		
College	839 13 10	
W. W. Rouse Ball	502 6 11	
Madeleine Cole	215 7 1	
M. J. M. Hill	248 0 3	
		1,805 8
PENSION RESERVE FUND		3,939 11
SPECIAL FUND ACCOUNTS :—		
Salaries Fund	6,695 11 2	
Eugenics and Statistics Publications Funds	6,412 16 5	
School of Librarianship	2,881 7 4	
German Library	528 15 3	
Special Apparatus and Equipment Reserve Fund	12,244 3 3	
Chemistry Loan Collection Fund	226 5 2	
Students' Purposes Fund	3,229 11 8	
Egyptology Fund	144 16 4	
War Memorial Scholarships Fund	2,977 19 11	
Library Deposits	186 12 5	
Larmor Bequest	19 11 3	
V. F. Pye Royalties Fund	591 3 9	
Hostels Account	758 10 9	
		36,897 4
UNEXPENDED BALANCES :—		
Grants and Donations from outside sources	10,815 8 2	
Departmental and Library Grants in suspense	10,480 11 7	
Miscellaneous	836 10 7	
		22,132 10
FEES IN SUSPENSE		958 18
MORTGAGE LOAN on Gordon Street frontage—Prudential Assurance Co., Ltd.	50,000 0 0	
Less : Principal Repaid to date	4,307 16 9	
		45,692 3
TREASURY LOAN		24,000 0
SUNDRY CREDITORS		49,619 17
BANK OVERDRAFT ON CURRENT ACCOUNT	18,209 1 8	
Less Cash on Deposit	1,754 7 11	
		16,454 13
INCOME AND EXPENDITURE ACCOUNTS :—		
As per Balance Sheet 31st July 1946—		
General 13,354 18 10		
Medical 3,238 3 11		
	16,593 2 9	
Less : Excess of Ordinary Expenditure over Ordinary Income for the year ended 31st July 1947—		
General 8,338 1 5		
Medical 4,919 12 4		
	13,257 13 9	
	3,355 9 0	
Add : Excess of Extraordinary Income over Extraordinary Expenditure for the year ended 31st July 1947—		
General 34,091 0 9		
Medical 6,353 12 2		
	40,444 12 11	
General 39,107 18 2		
Medical 4,672 3 9		
	43,780 1 11	
Less : Excess of Payments over Receipts, Rehabilitation and Development Account	30,052 2 6	
		13,727 19
		£2,103,956 2

We have examined the above Balance Sheet as at 31st Ju
and vouchers relating thereto, and certify them as being properl

3, Frederick's Place, Old Jewry, London, E.C.2.
26th February, 1948.

ASSETS.

	£	s.	d.	£	s.	d.
COLLEGE FREEHOLD LANDS, BUILDINGS, FURNITURE, LIBRARY, ETC., being the Land with the Buildings of the College and the Buildings Extensions	823,654	1	8			
GREAT HALL SITE—Site, buildings and Furnishing ... 30,178 17 7						
Less: Redemption Fund ... 27,232 15 9						
	2,946	1	10			
	826,600	3	6			
Addition during the year—1, 3 & 5, Hornton Street, Kensington	19,629	16	6			
				846,230	0	0
LEASEHOLD PROPERTY :—						
21 Gordon Square—Cost of Lease	2,633	14	6			
24 ditto ditto and Equipment	1,331	1	1			
	3,966	16	5			
Addition during the year : 37 & 38 Nevern Square	7,555	13	0			
				11,522	9	5
INVESTMENTS at book value (as per annexed schedule of Investments)						
Capital Account (Centenary)	4,425	10	7			
Reserve Funds	62,861	1	6			
Redemption Funds	1,941	3	1			
Miscellaneous Capital Funds	40,456	10	5			
Superannuation Funds	655	8	8			
Pension Fund	4,727	6	2			
Special Funds	31,896	0	9			
Donations Account	600	0	0			
				147,563	1	2
TRUST FUNDS (as per separate Balance Sheet)				1,076,044	0	2
STOCK OF WORKS MATERIALS AND FURNITURE				2,338	11	9
REFECTORY :—Advance Account				1,617	3	11
SUNDRY DEBTORS, OUTSTANDING ACCOUNTS AND PAYMENTS IN ADVANCE				15,529	16	9
NATIONAL INSURANCE STAMP ACCOUNT :—						
In hand and on deposit with Insurance Commissioners				3,110	19	1

Except for the application of their Redemption Funds in writing down the book values of Great Hall and 1 Gordon Street respectively, no adjustment has been made to the book value of those College properties which were extensively damaged by enemy action.

£2,103,956 2 3

elative Income and Expenditure Accounts with the books, accounts, nd in accordance therewith.

(Signed) PRICE, WATERHOUSE & CO.
Chartered Accountants.

APPENDIX IV.

GRANTS

Grants allocated by the Court of the University :—

1945–46 £	*s.*	*d.*					1946–47 £	*s.*
			Block Grant :—					
185,427	*0*	*0*	General			235,427 0 0		
24,573	*0*	*0*	Medical			44,573 0 0		
210,000	*0*	*0*					280,000	0
			Home Counties Grant :—					
52	*0*	*0*	Buckinghamshire County Council			52 0 0		
222	*5*	*0*	Essex County Council			222 5 0		
150	*15*	*0*	Hertfordshire County Council			150 15 0		
358	*15*	*0*	Kent	,,	,,	358 15 0		
1,314	*15*	*0*	Middlesex	,,	,,	1,314 15 0		
451	*15*	*0*	Surrey	,,	,,	451 15 0		
46	*10*	*0*	Croydon Borough Council			46 10 0		
26	*0*	*0*	Southend	,,	,,	26 0 0		
6	*15*	*0*	East Ham	,,	,,	6 15 0		
10	*0*	*0*	West Ham	,,	,,	10 0 0		
2,639	*10*	*0*					2,639	10
							£282,639	10

SUBSCRIPTIONS AND DONATIONS (1946–47)

(For Special Purposes.)

	£	*s.*	*d.*
Anonymous Donation (for Galton Lab. Research)	500	0	0
Bequest of the late Frederick G. Byles	100	0	0
Evans, Dr. Joan	15	0	0
Foyle, W. and G. Ltd	5	0	0
Goldsmiths' Company	300	0	0
Leverhulme Trustees	500	0	0
National Institute of the Deaf	100	0	0
Roche Products Ltd.	526	0	0
Rockefeller Foundation (Biophysics Research)	2,000	0	0
,, ,, (Eugenics ,,)	1,700	0	0
Society of Antiquaries (Buckler Donation)	55	14	2
Donations to the Library	6	6	6
	£5,808	0	8

Donations towards Students' Loan and Bursary Fund :—

Mockler Ferryman Fund	25	0	0			
Donations per Staff Lists	25	2	0			
				50	2	0

Donations to the Scandinavian Studies Fund :—

Danes in Great Britain (Finance) Ltd.	272	14	6			
Sir F. Kroyer Kielberg	45	9	1			
				318	3	7
				£6,176	6	3

SUBSCRIPTIONS AND DONATIONS (1947–48)

(already received for special purposes).

	£	s.	d.
Anonymous Donation (for Galton Lab. Research)	250	0	0
Batsford, Messrs. B. T. Ltd.	5	5	0
Mr. A. Digby Bessant	600	0	0
Chadwick Trustees	5	0	0
Evans, Dr. Joan	15	0	0
Foyle, W. and G. Ltd	5	0	0
Goldsmiths' Company	300	0	0
Leverhulme Trustees	700	0	0
Roche Products Ltd.	131	10	0
Donations towards Students' Loan and Bursary Fund—			
Mockler Ferryman Fund	45	0	0
Donations to Scandinavian Studies Fund :—			
Professor L. A. Willoughby	12	14	6
	£2,069	9	6

APPENDIX V.

ASSEMBLY OF THE FACULTIES OF UNIVERSITY COLLEGE LONDON.

1st July 1947

Chairman : Sir Robert Waley Cohen, K.B.E., M.A., Vice-Chairman of the College Committee.

Special Visitor : Sir Henry Tizard, K.C.B., F.R.S.

REPORT OF THE PROVOST ON THE SESSION 1946–47.

Mr. Chairman—

My first words in reporting upon the session now drawing to a close must be words of salute, of gratitude and farewell, for I have to report that our Chairman, the Rt. Hon. Lord Sankey, has found it necessary with the advancing years to give up the Chairmanship of the University College Committee. He desires that his place should be taken by a younger man. As a great lawyer and former Lord Chancellor we salute him, and as a devoted friend and mentor of the College we tender our gratitude and affectionate farewell.

These are critical years when we can ill spare the guidance of men wise in their generation, giving counsel by their understanding; but time is against us here and we have to face the passing on of responsibility to younger and less experienced hands. On the administrative side, Mr. Tanner will be retiring from the Secretaryship of the College under the age limit and will be deeply missed. Mr. Armstrong, too, our Finance Secretary, is leaving us. These losses, following upon the retirement a year ago of Miss Greig, that unrivalled authority upon our history and traditions, will indeed be difficult to make good. Another familiar figure in the quadrangle I must mention; on March 29th, F. W. Stroud retired after 34 years of loyal and devoted service with the College. No need for a clock where Stroud was concerned. It is recorded that one night in 1940 a near miss badly blasted his home, but Stroud with head wounds and a bandaged nose, reported punctually for duty in the morning.

Among the Academic Staff there are losses on promotion. Last year seven of our Readers moved on to Chairs and higher posts elsewhere. This year we are losing six more members of the staff on promotion to Professorships. Dr. Smyth goes to the Chair of Physiology in the University of Sheffield. Dr. Fielding to the Chair of Anatomy in the King Farouk University of Alexandria; Dr. Friedmann to the Chair of Public Law in the University of Melbourne; Dr. White to the Chair of Cytology in the University of Texas; Dr. Graveson to the Chair of English Law at King's College and Mr. Davies to the Chair of Classics at Aberystwyth.

Losses we have had, but great gains also. We have welcomed no less than ten new Professors since our last Assembly of the Faculties. Three are old friends under a new style. Professor Corfiato as Head of the Bartlett School of Architecture, Dr. Vesey-FitzGerald as Professor of Oriental Law, and Mr. Weiss as Professor of Italian. Professor Allen, Political Economy; Professor Ayer, Philosophy; Professor Černý, Egyptology; and Professor Hollingworth, Geology, come to fill vacancies in old-established Chairs and will carry on and enhance their distinguished traditions. Professor Dingle, History and Philosophy of Science, and Professor A. H. M. Jones, Ancient History, fill Chairs now established for the first time as full-time posts at the College. And finally, Professor Hart takes up the new Chair of Surveying and Photogrammetry, the first of its kind in this country. This important new development has received generous support in the form of a gift of £5,000 from the Williamson Manufacturing Company and has been assisted also by the loan of valuable modern equipment. In connection with this new development there have been visits to the College by specialists from no less than eleven different countries.

The only one of our established Chairs still vacant is now the Quain Chair of English Language and Literature, for we look forward to welcoming next October, as Sir Patrick Abercrombie's successor in the Chair of Town Planning, Professor Holford who comes to us, like Professor Allen, from Liverpool University.

For the re-establishment of a College like ours, three things are necessary; Staff, Students and Accommodation. When we first returned to London after our period of exile we had students in plenty, some staff and wholly inadequate accommodation. In the three years since that time we have closed the ranks of our depleted staff by more than a hundred new appointments; we have applications from

would-be students far in excess of the numbers we are able to admit, but what of our accommodation? The story of the session has been a story of patience under difficulties. The housing situation with its claims for material and labour has continued to dominate our daily lives. Because there was no steel to make their window frames, the empty shells of fourteen temporary buildings have stood for months during the session as a mockery of the accommodation we need so badly. Two of them, I am happy to say, are now occupied and are proving satisfactory in daily use. The various trenches, pits, stacks of pipes and wire entanglements that form the hazards of our daily journeys about the College, are evidence of the efforts that are being made to have the huts all in use by October. Whether they will be heated and lighted during the expected electricity cuts will depend upon the success of a search now going on for a stand-by electric-generating plant to make the College independent of the normal supply. During the electricity cuts this year the University only succeeded in establishing its right to equal consideration with cinemas and elementary schools. The effect on teaching and research work was serious and very soon would have become disastrous. I will not bore you with details of the struggle for permits; that would be out of place here and we have to recognize, of course, that it is our particular facet of the nation-wide problem of shortages in man-power, materials and coal. But it is important to make clear that shortage of accommodation is now that which limits not only the number of students we can accept but the further appointments to the staff which are overdue. Professors and Lecturers are not content nowadays, as were the wandering scholars of the middle ages, to teach their pupils here or there about the College, with no fixed abode.

In regard to students we have had to fix an approximate upper limit of three thousand. In applying this limit it is the policy of the College to accept post-graduate research students up to the limit fixed by the numbers of the staff and the possibility of adequate supervision. Even so, this will allow of a substantially larger number of full-time undergraduates than before the war, alongside of some reduction in the numbers of part-time and occasional students. As the temporary accommodation becomes effective, numbers will rise to some extent to meet the national demand for greater numbers of graduates, but it has to be remembered that much of the temporary accommodation is to provide for the dislocation that is inseparable

from the process of permanent reconstruction. The whole of the accommodation in the front quadrangle and the south quadrangle is of this character, and it will not be until the rehabilitation of our central building is complete that there will be any substantial increase—except for the departments of Physics and Chemistry—in the accommodation for academic purposes. One of the two huts already in use however, combined with the friendly co-operation of the Director of the National Central Library, who is providing some valuable storage space, will enable the Librarian to assemble the last of the working Libraries of the College, or what is left of them, under his own eye. The lease of Stansteadbury House will be given up in September, and between now and then its stables, coach-houses, fruit stores and other strange habitats of our books will be relieved of the last of them, after their country visit of seven years' duration.

Let me conclude this sad tale of accommodation on a more cheerful note. We have received in the last fortnight a letter approving of an immediate start being made upon the reconstruction of our central building. Professor Richardson's plans are complete; the contract has been signed and work should commence forthwith. The next stages of the permanent reconstruction will, it is hoped, be new accommodation for the Physics Department and the new Great Hall. In three talks, two to members of the academic staff, and one to the students, Professor Richardson has explained his latest plans for the new Great Hall with the aid of drawings and a model.

A remarkable feature throughout the session has been the great increase in the number of public lectures delivered in the College. The number has been swollen by eight inaugural lectures by the new holders of Chairs in the College, but the majority has been by distinguished visitors, many of them from abroad. Professor Hanström of the University of Lund, Professor Fliche of the University of Montpelier, Professor Maurice Frechet, Professor Bauer and Professor Maurice Caullery of the University of Paris, Professor Vitanen of Helsinki, Professor Wilde of Vienna, Professor Woerdeman of Amsterdam, Professor Enrico Josi of the Vatican and Dr. Bloesch of the University of Berne. Besides these visitors from all parts of Europe, Professor Swisher of Johns Hopkins University has delivered the series of Commonwealth Fund Lectures and Professor Butler the Barlow lectures on Dante. From British Universities we have welcomed Professor Goodhart from Oxford, Miss Margery Fry, the late

Professor Sir Joseph Barcroft and Professor Winfield from Cambridge, and Professor Fleure who, since his retirement from his Chair at Manchester, we are happy to have as one of our honorary Lecturers at the College.

This distinguished list of visiting lecturers combined with our own list of visitors abroad, Professor Andrade to Paris and Strasbourg, Dr. Cobban to Chicago, Professor Fawcett to Clark University, Professors Haldane and D. M. S. Watson to Princeton and to Paris, Professor Ingold to Madrid, Professor Keeton to Vienna and Professor J. Z. Young to the University of Milan, provides a stimulating and encouraging picture of the degree to which scholarship in every department of the Arts and Sciences is re-establishing its international character. If one includes the many public lectures given by members of the College Staff, either as inaugural lectures or as contributions to our series of lunch-hour lectures, the total reaches the remarkable figure of 140 during the Session, an average of nearly five per week.

The social life of the College, although hampered by lack of accommodation, has been active. We were happy to be able to welcome the Chancellor of the University, the Rt. Hon. the Earl of Athlone, when he paid an informal visit to see for himself the conditions under which the work of the College is being carried on. Last summer, the concluding session of the Royal Society Empire Scientific Conference was held at the College and the delegates were entertained to luncheon. It is of interest to record that of 113 delegates from this country and the Dominions, no less than 22 were associated with the College in some way, either as staff or students, and 4 of them were Fellows of the College.

The Fellows Dinner, at which we were especially glad to have with us His Excellency the Chinese Ambassador, Dr. Cheng, was held in April this year, and last week the Ramsay Memorial Fellowship Dinner was held. There has also been a pleasant gathering at which the Headmaster, Staff and Monitors of University College School were my guests in the College in order to mark the close link with the School which formerly shared our buildings and with which we still share a common tradition. In addition to these functions there have been many domestic occasions of a similar character. For the enterprise and skill which makes such occasions possible in circumstances of great difficulty, we have to thank our excellent Steward and her Staff.

We have had visits by many distinguished representatives of foreign Universities in Europe and further afield. The Rectors of the four Belgian Universities of Brussels, Louvain, Ghent and Liège; the Rector of Lund University and the Rector Magnificus of the Universities of Amsterdam and of Hamburg, besides representatives of their countries from Brussels, Copenhagen, Oslo and Uppsala, have all visited the College while staying in this country to study various aspects of British University Education.

There has been increased activity by the Old Students' Association under the presidency of Professor Barlow, and thanks also to its energetic secretary, Dr. Harris. A series of informal evenings have been held in the College at which either a member or visitor has given a short talk after dinner to inaugurate a discussion on some matter of concern to the College and its former students. Here, naturally, accommodation was the main difficulty, for the numbers at dinner had to be limited to forty and it has been necessary to ballot for places. Another rallying point for former members of the College was the revival this year of the performances of the Little Plays of St. Francis which had been held every year in the College from 1925 until the outbreak of war. Mr. Richmond has taken over from Mr. Gilbert the chairmanship of the informal committee responsible for the production, and Mr. Lawrence Cahill returning to his pre-war part of Juniper, was also producer. The rest of the company was drawn largely from the present day Dramatic Society. Seven plays were produced for three evenings and one matinee performance, on each occasion to a crowded house.

This has been the first full session with the Union as the single representative student body. Its birth and growth out of the happy Union of U.S. and W.U.S., has not been achieved without some growing pains, but the sturdy infant seems to be well established and may be relied upon, I hope, to maintain the traditions of efficient democracy. It was an appropriate and happy arrangement that the first Foundation Orator under the regime of the joint Union should have been Dr. Jeffery and that the oration should have been held in the Senate House. The College is greatly indebted to the University for making available both the Macmillan Hall and the Beveridge Hall on the same evening, for that enabled the oration to be followed, after a buffet supper in the Macmillan Hall, by the foundation concert later in the evening; an arrangement which proved a great success.

Both the Dramatic Society and the Music Society have been active, the latter with a full programme of concerts each term besides that in Foundation week to which reference has been made, when the choral society and orchestra under Dr. Bernard Robinson gave a performance of Mozart's Requiem Mass. The Dramatic Society gave a delightful performance of Bernard Shaw's "Androcles and the Lion" before Christmas and an ambitious but highly successful production, the first in this country, of "The Flies" by Jean-Paul Sartre during Foundation week. This afternoon they will round off the Session with a performance of "Everyman" staged upon the portico steps. I must mention, too, the dramatic company from the Slade School which has just produced "The Judgment of Paris", an arrangement from a little-known Elizabethan play by George Peele, with the scenery and decoration executed by members of Mr. Polunin's class.

Earlier in the year an exhibition of pictures, drawings and sculpture was organized by the Slade Society with help from the College, at Walkers' Galleries in Bond Street. In spite of little publicity, owing to the date of the exhibition coinciding with the coal crisis in February, the exhibition was attended by an average of about two hundred visitors per day during its three weeks' run, including many distinguished critics and members of the public.

It has been possible to make a start this term, though a modest one, with the College playing fields at Shenley. About ten of its ninety-five acres have been recovered from the control of the Ministry of Agriculture and these have provided a cricket pitch and some 25 tennis courts. Plans for two pavilions were complete before the war and a start had even been made with the foundations. Now such amenities have receded into an uncertain future and a marquee or the ubiquitous army hut are but poor substitutes.

The problem of living accommodation for students and staff remains acute. The six houses in Cartwright Gardens to which reference was made last year were duly brought into use in October last, two of them for Slade Students and four as a unit of College Rooms for women students under the care of Dr. and Mrs. Harris. The acquisition by the University of Canterbury Hall, also in Cartwright Gardens, provides for 220 women students and is a most welcome addition to the neighbourhood. The great need now is for some corresponding provision for men. Staffordshire House was to have provided for 190, a welcome beginning, but legal difficulties have so far prevented any progress towards its acquisition.

As a contribution to the problem of staff accommodation the College has taken advantage of an offer by H.M. Treasury to advance money to University Institutions for the acquisition of house properties and their conversion into flats, to be let at an economic rent. Three properties have so far been acquired in this way. Two of them after conversion will provide nineteen flats, with rentals varying between £100 and £330 per annum, as well as some less expensive accommodation. The third could be arranged as single bed-sitting rooms or small flats in accordance with what the most urgent need dictates.

Before closing my report I wish to make some reference to the Student Health Association. This has continued to be administered very largely by a devoted band of public spirited students, although it has been found desirable to introduce some professional help with the accounts. A decision in regard to Part I of the scheme—the medical and dental insurance—to lower the premium and increase the benefits has been justified by results, thanks to the absence of any serious epidemic.

The College owes a great deal to the ready co-operation of the staff of the X-ray unit under the Ministry of Health in Tavistock Square. This has provided, in accordance with Part II of the scheme, for an X-ray chest examination of nearly 1,000 students in 3 days. The achievement of this result with only one regrettable incident in the shape of a Professor faced by empty benches at the hour of his lecture, is a credit to the organizers. We hope that next year there will be twice as many examinees and no incidents at all. Part II of the scheme is entirely voluntary, and I would like to emphasize in the strongest terms, the importance to every student in his own interest of undergoing the X-ray examination, and not once only, but each session while he or she is in residence.

It now only remains for me to read the list of the principal scholarships, prizes and medals, awarded to members of the College.

The Provost then announced the names of the chief Scholars, Medallists and Prizemen.

THE CHAIRMAN.

Mr. Provost, Ladies and Gentlemen, I now have very great pleasure in calling upon our Special Visitor, Sir Henry Tizard, to give us his address.

It would be an impertinence for me to affect to introduce him to any university audience, least of all this one. I am sure everyone here knows that he was the Rector of the Imperial College of Science and Technology and that he afterwards became the President of Magdalen College, Oxford. He was then translated to Government service as Chief Scientific Adviser to the Government, and to him we owe a debt for fertilizing and inspiring the scientific work of the whole nation in every one of our activities.

SIR HENRY TIZARD'S ADDRESS.

Mr. Chairman, Mr. Provost, Ladies and Gentlemen—

I think I ought, perhaps, to tell the younger members of the audience a little about my academic history, because I shall offer some remarks later on in that connection and I should like to establish a background.

In the first place I appear before you in the borrowed plumes of a Doctor of Science of Cambridge University. Perhaps some of you historians will correct me if I am wrong, but was it not Lord Melbourne who said that what he liked about the Order of the Garter was that it had no damned merit about it? I like this gown for a similar reason; I only obtained the right to wear it through the kindness of friends. Had it been necessary for me to obtain it through my own merit, I do not think I should have been able to wear it; but that does not lessen my pride of possession.

I was educated and, for a period, tried to educate others at a university which is somewhat unkindly described in Stevenson's 'Wrong Box' as "that seat of Toryism, that cradle of Puseyism, that home of the inexact and effete—Oxford". Curiously enough, I have never had that quoted against me by a Cambridge man, not even by Professor Andrade, who says he knows the book, so I suppose Cambridge men do not read that book of gorgeous nonsense. I recommend it to you younger men, but not to the young women because I do not think it would suit their more refined sense of humour. If, when you have read it, you do not appreciate it, do not tell me, for you will spoil my preconceived good opinion of you.

Then for some time between the wars I was at the Imperial College in London, and I have a passing acquaintance with many other universities at home and abroad. So although I have not spent my life in universities, I have a fair inside knowledge of their workings, and a fair outside knowledge of their products, and that is my excuse for speaking to you. Of course, the other excuse is that I was invited to do so.

It is a very great honour to be invited to address this Assembly, although it is an honour that is certainly embarrassing to a scientist. I do not mean to imply that this is due to a becoming modesty on my part; not at all. The real difficulty is that places of learning are becoming or, indeed, have become, divided into two camps, the first inhabited by scientists and the other inhabited by people who know nothing of science and appear to care less. There is this to be said for the scientists, that though ignorant of many things, they are seldom proud of their ignorance, and are often quite capable and willing to be interested in what their colleagues are doing, and to share their ambitions and tastes; whereas, in the other camp will be found many who seem to be proud of their ignorance of any science other than that which was studied by men living in a primitive state of society over 2,000 years ago. I would not dare say this, of course, if I did not think these remarks apply less to University College than to any other place of learning I know of !

You sympathize with my difficulty, I hope. If I were a great scientist actively engaged in advancing knowledge, I should experience no difficulty at all. I should tell you about my work, and if you were not interested I should say it was your own fault and not mine. In Rutherford's early days at McGill University, the Professor of Classics, who had a low opinion of scientists, was induced to go to one of his lectures. He came out a changed person. " Here ", he said " was that rare and refreshing spectacle, the pure ardour of the chase, a man wholly possessed by a noble work, and altogether happy in it." Of how many of us can that be said ?

If I were an historian, even though not in the first rank, I ought to be able to choose a topic of interest not only to the eminent academic staff, but also to that larger body of young men and women who are called students, in order to distinguish them from the Professors, I suppose ! And, of course, if I had had the good fortune to have been brought up in the austere discipline of the classics, it would not matter

if I had nothing to say because I should say it so nicely. I remember a friend once saying to me: "Did you hear so and so's address" mentioning the name of a well-known man. I replied that I had not. He said: "It's a pity you missed it because it was a wonderful address". I told him that I had read it afterwards but could not see anything in it, to which he replied "Now you put it that way I do not think there was anything in it; but it was a very good address". Of course, he was quite right. If a speaker can interest an intelligent audience, then he makes a very good speech. The only trouble is, perhaps, that it ought not to be printed afterwards. Perhaps it is a pity that many things are printed; perhaps, Mr. Provost, it will be a great pity if what I am saying is printed!

I propose to offer you a few remarks on higher education, a subject of interest to all of us, and one on which most people like myself think they have something useful to say, for there is no subject which can command more experts than that of educating other people's children.

I intend to hang my few remarks on two or three stories, and I should like to make it clear that I tell you these stories in the strictest confidence, as Rutherford used to say when addressing an unusually large audience!

The stories themselves are all about *viva-voce* examinations for entrance scholarships. I apologize for my pronunciation. Perhaps I should say the stories are all about "*weewa wokkey*" examinations! They are very important examinations and many of you must have undergone them in your time; and they are most interesting, too, both from the point of view of the examiner and the examinees. The great thing in such examinations is to try to find out what the examinee is really interested in; but some examiners seem to take the view that it is an opportunity of showing how clever they are, which is a mistake.

I have always been interested in the technique of these examinations. At Oxford it is possible for the Head of a College, or even for a Fellow, who is a more important person, to attend the *viva-voce* examination of candidates of any kind, though it is not often done. On a few occasions I have done this myself, being curious to know how scientists compared with students of other subjects. I once attended the examination of some candidates for scholarships in history. One man I remember particularly had specialized in 17th Century English

History at School. He appeared to have specialized to some purpose. He was really very good and could not be shaken. He even knew the maiden name of King Charles II's wife, a very valuable piece of information ! I recall that he was not asked about the irregular unions which have left so notable a mark on the House of Lords. He certainly knew his stuff very well. When the history examiners had finished with him I said " Do you happen to know the name of any English scientist who lived in the 17th Century? " For the first time he was at a complete loss. After a pause I said " It is not a very difficult question ". Then I got the tentative answer : " Newton? " I told him that was quite right, and went on to ask him what Newton had done. He replied : " Something about gravity? " " Yes ", I said, " but what about gravity? " He didn't know. " Well, tell me what he did in addition to his scientific work ", I said. To my astonishment he didn't know that either. So there was a man who had specialized in 17th Century history who had not the faintest idea of the revolution in scientific thought in the 17th Century which has probably had a greater effect on civilization than any other single factor since.

I do not blame him; I blame his school and the system of specialization, and the very fact that anyone should teach history without weaving the history of science into it. I had dinner that evening with a most distinguished Professor of History whose name you would all know, and told him the story. I added provocatively that I thought University entrance scholarships in History should be abolished. He took the wind completely out of my sails by saying he was inclined to agree. He said that one of his best pupils in history at a certain university had won an entrance scholarship in physics.

Now I will tell you the second story, which concerns a physicist. He had been very well taught, and the examiners were asking him about the quantum theory. I do not suppose there is anyone here who does not know of the quantum theory, but just in case there is I may say it is a very difficult subject. This particular student withstood the ordeal remarkably well. When it was all over I said " Do you happen to know roughly the distance of the nearest fixed star from the earth? " That pulled him up completely, and after a pause I said : " Well, it does not matter; just give me the name of any star." He replied " The Moon? " I pointed out that you would hardly call the moon a fixed star, and asked him to have another try. He thought

for a moment and then said " Mercury ". I then said to him " Did you happen to look up at the sky as you came along?" (it was a brilliant starlit night). He had not: he confessed quite honestly that he never took any interest in the stars; nor had anyone ever taught him anything about them. He was a clever young man, but he was certainly not a real scientist. I strongly recommended him to read history at the university.

I wonder why this is? It has always puzzled me that the divine gift of curiosity, which is so very marked in children, much to the irritation of their parents, seems to be taken away before they cut their wisdom teeth. Most men walk about this world with no curiosity, and without any sense of intellectual adventure. There is indeed a danger that as school teaching gets more widespread and, particularly, as examinations get standardized, curiosity and the sense of adventure will be still further discouraged. I used to find consolation in the thought that it was very hard to spoil by education a really original and adventurous mind; but I am not quite so sure now. I think of the many men who have very properly attained the highest positions, not only in industry but in public life, or even in literature and the arts, without having what you and I would call a complete education. Would they have been better men if they had? I wonder. Let me advise you to preserve your sense of intellectual curiosity in spite of all the handicaps of a highly organized education.

The third story is of a more comforting nature. It concerns a young man who came from a very poor home and a very poorly endowed school. He was nowhere near the standard normally expected of entrance scholars, but he could not come to the university without financial assistance. The poor fellow got very worried and extremely nervous. He nearly broke down, but happily someone stopped asking him difficult questions in science and enquired what he usually did in his holidays. In about ten minutes it emerged that he used to study wild flowers in the Lake District, and that he had discovered one which had never been known to grow there before. The examiners decided to take a chance, and elected him. He subsequently obtained a very good first class in botany.

I tell you that story because it is not the only one in my experience which leads me to lend strong support to the opinion of people who argue, on more general grounds, that there is a large reserve of ability in this country which has not yet been drawn upon for university

education. I myself believe that there is a very large reserve of scientific ability, and that the sooner the universities expand their departments of pure and applied science, the better it will be for the nation. The demand for scientists is much greater than the supply is likely to be for many years, and there is a danger that the demand by industry and the government will cause a shortage of school teachers. I would not try to persuade anyone to become a school teacher unless he felt he really had it in him; but if any of you are inclined that way, there is no greater thing you can do at present than to become the kind of schoolmaster who can not only teach but inspire the younger generation, because many are waiting to be inspired. Unless we get the teachers we shall not get the supply we need in the future.

Perhaps I ought to say something about non-scientists, but I do not wish to express any decided opinion as I have not the experience. Some of my friends tell me that they are afraid of a general lowering of standards if numbers go up. I do not know where they get their evidence from; I do not think they have any, and certainly it is not justified by the experience of the last thirty years. Some fear that university graduates will be over-produced. That seems to me to be a confession of weakness, because if you really believe in a university education, then each one of you, after taking a degree, ought to go out into the world and say to yourselves " We have something which others have not, therefore we ought to be able to succeed in any walk of life."

I will ask you to take this thought away with you. Hard times are ahead of us. We are in for a great fight in this country—a fight against time and circumstances. The success of that fight depends on the one hand upon good training, and, on the other hand, on the quality and determination of the troops in the front line. In between the two there must be, of course, the planning staff and the long lines of communication. One difficulty about universities seems to be that most graduates go out with the idea that they of all people must be on the staff and the lines of communication. We need more of them either in the training establishments, or in the front line, exercising leadership.

One final word. I hope that nothing I have said has led you to believe that I underrate the value of the so-called " humanities " and do not understand the splendours of a classical education, and, particularly the virtues of the study of ancient philosophy which so often

follows it, and which has been so finely described in the well-known lines :

> " Myself when young did eagerly frequent
> Doctor and Saint, and heard great argument
> about it and about : and evermore
> came out by the same door as in I went."

Far from it; I have known too many of my contemporaries at school, and at the University, who have been brought up in the classics, deservedly rise to the highest places in the land; and yet the thought sometimes strikes me that possibly people with their brains and their characters would have attained their positions whatever they had studied in their youth, provided it was difficult and well taught; and even that if they had spent part of their time in studying a living and a changing subject they might be still better fitted to deal with the affairs of a living and changing world.

The Dean of the Faculty of Science.
(Professor E. N. da C. Andrade, F.R.S.).

Mr. Chairman, Ladies and Gentlemen—

Sir Henry Tizard was good enough to say that I claim to have some acquaintance with the ' Wrong Box ' so I think I can start with a quotation from that great book which I hope he will recognize.

" It has been remarked by some judicious thinker—possibly J. F. Smith—that Providence despises to employ no instrument however humble ", and our Provost shows a like benignity, by virtue of which has fallen to me the very pleasant task of proposing a vote of thanks to our orator, Sir Henry Tizard.

I imagine I am called upon to speak on behalf of the older members of the Assembly, for the thanks of the students will be expressed by the President of the Union; but, at the same time, I trust I shall say nothing by way of thanks that will not win the warm support of our respected juniors, with whose aspirations and discontents I generally find myself in sympathy.

We older lads have heard, on occasions similar to this, addresses which we have endured, tolerated, respected and admired, which have called forth reverence, surprise and sometimes self-control. It is seldom, however, that our main feeling has been one of enjoyment, as it has been to-day. Our friend Michael Finsbury said " Nothing like a little judicious levity "—and I take it that has been your motto to-day, Sir—or, if I am called upon to quote from ancient languages, I will risk my antiquated pronunciation and say : " *Omne tulit punctum qui miscuit utile dulci* " which, if my Latin fail not, may be freely translated as meaning that he has won our hearty approval by mixing useful principles with entertaining stories.

For having so completely demonstrated to us that humour, not without a certain delectable asperity, can exist in high places, combined with great wisdom, thank you very much. It is well known to certain epicures that a touch of pepper brings out the flavour of stawberries, better, perhaps, than undiluted sweetness.

Sir Henry has so many achievements to his credit that you get a very poor idea of his career by looking into ' Who's Who ', which I trust the President of the Union has duly consulted. It is usual on these occasions, and Sir Henry and myself are supporters of tradition. There is, for instance, nothing in ' Who's Who ' about his dealings with certain " very important people " during the war. I would like to remind you, however, that he has a distinction which is unique in the history of civilization. He has twice given up the headship of a great college—the Imperial College of Science and Magdalen College, Oxford—before compelled to do so either by the laws of nature or by the laws of man !

I am afraid that the confused and halting words which fall from my unlettered tongue—for I am a plain man of science who can only gape at the oratorical accomplishments and humane learning of my colleagues of the Arts Faculty—will give you a very poor idea of the thanks which I am set up here to express. You are, Sir Henry, a hard man to follow. The words of Mercury are harsh after the songs of Apollo. I will not, however, weary you with apologies for my inadequacy, firstly because the Provost said " five minutes " and I have already taken four and a half, secondly, because my very diffidence is a compliment, since I hope you will say with Theseus : " And in the modesty of fearful duty I read as much as from the rattling tongue of saucy and audacious eloquence ", and, thirdly, because the applause which

will ring out when I sit down will not, I must warn you, be an expression of relief at having done with me, but will be intended to show you in a clamorous and convincing way how much we have enjoyed your discourse and how very grateful we are to you for coming among us to-day.

The Vote of Thanks was seconded by the PRESIDENT OF THE UNION (Mr. ERIC HARBORD).

APPENDIX VI.

List of Original Papers and other Publications from the various Departments of the College, 1946–47 (inclusive), with some Earlier Papers not previously mentioned in the Annual Report.

FACULTY OF ARTS

Anthropology (Professor Daryll Forde)

Barnicot, N. A.

(1) The Supravital Staining of Osteoclasts with Neutral-red: their distribution on the parietal bone of normal growing mice and a comparison with the mutants grey-lethal and hydrocephalus—3. *Proc. Roy. Soc.* B, vol. 134 (1947), 467–485.

Bose, J. K.

(2) *Culture Contact among the Garo of Eastern Bengal.* Thesis for Ph.D. degree, May 1947.

Forde, C. D.

(3) *The Anthropological Approach in Social Science.* (Presidential Address to the British Association, Section H (Anthropology), Dundee, August 1947.)

Archaeology (Professor Bernard Ashmole)

Hooker, E. M.

(1) *The Greek Altar: its origins, and its forms and functions down to* 146 *B.C.* Thesis for M.A. degree 1947 (in conjunction with the Department of Greek).

Hooker, G.

(2) *Public Festivals in Athenian Life: the place of Attic public festivals in the lives of the people of Athens from the sixth to the fourth century B.C.* Thesis for M.A. degree 1947 (in conjunction with the Department of Greek).

Architecture (Professor H. O. Corfiato)

ABERDEEN, D. W.

(1) Planning for Living. (Six Articles.) *Architectural Design.* (At press.)

CORFIATO, H. O. (in collaboration with Professor A. E. Richardson).

(2) *Design in Civic Architecture.* English Universities Press, 1948.

FOYLE, A. M.

(3) "The Wilson House".—A System of Prefabrication for all types of buildings. *Architects Journal* (5 Nov. 1947). (Illustrated.)

Egyptology (Professor J. Černý)

ČERNÝ, J.

(1) The Will of Naunakhte and the Related Documents. *The Journal of Egyptian Archaeology*, 31 (1945).

(2) Studies in the Chronology of the Twenty-First Dynasty. *Ibid.* 32 (1946).

English (Professor C. J. Sisson)

BREWER, J. R.

(1) Review of A. M. Clark, *Studies in Literary Modes. Modern Language Review*, xlii (Jan. 1947), 131–2.

DODDS, WINIFRED M. T.

Reviews of the following :—

(2) W. Shakespeare, *King Henry IV, Parts I and II*, ed. by J. Dover Wilson. *Ibid.* (Jul. 1947), 371–82.

(3) *Portraits in Prose*, ed. by H. Macdonald. *Ibid.* 383–4.

(4) W. Shakespeare, *King Henry V*, ed. by J. Dover Wilson. *Ibid.* (Oct. 1947), 495–502.

(5) G. W. Knight, *The Crown of Life. The Listener*, xxxviii, No. 970 (28 Aug. 1947), 358.

GREG, W. W.

(6) *The Triumph of Peace*: A Bibliographer's Nightmare. *Library*, Fifth Series, I (Sep. 1946), 113–26.

Reviews of the following :—

(7) *John Milton's Complete Poetical Works reproduced in photographic facsimile*, ed. H. F. Fletcher, II. *Modern Language Review*, xlii (Jan. 1947), 133–37.

(8) H. C. Gardiner, *Mysteries' End. Ibid.* (Apr. 1947), 260–1.

HULME, HILDA M.

(9) *Studies in Language* (*mainly in relation to Derbyshire, Staffordshire and Shropshire*, 1500–1700) *from church records*. Thesis for Ph.D. degree.

(10) Bibliography of New Publications (English). *Modern Language Review*, xlii (1947), 158–60, 279–80, 400–2, 550–2.

(11) Review of W. E. Tate, *The Parish Chest*. *Ibid.* (Jul. 1947), 370–1.

HUSBANDS, H. WINIFRED.

Assistant Editor, *Modern Language Review*.

JENKINS, H.

(12) Benlowes and Milton. *Modern Language Review*, xliii. (At press.)

(13) Review of B. A. Mackenzie, *Shakespeare's Sonnets*. *Ibid.* xlii (Apr. 1947), 261–2.

KANE, G. J.

(14) *Piers Plowman*: Problems and Methods of Editing the B-Text. *Ibid.* xliii (Jan. 1948).

OLIVER, H. J.

(15) The Composition and Revisions of *The Compleat Angler*. *Ibid.* (Jul. 1947), 295–313.

(16) Review of G. W. Knight, *The Crown of Life*. *Ibid.* (Oct. 1947), 503–5.

PATTISON, B.

(17) Review of S. de Madariaga, *Don Juan as a European Figure*. *Ibid.* 512.

SISSON, C. J.

General Editor, *Modern Language Review*.

(18) A Topical Allusion in *The Alchemist*. *J. D. Adams Memorial Volume*. Folger Library. (At press.)

SMITH, A. H.

General Editor, with F. Norman, of Methuen's *Old English Library*.

General Editor, with F. Norman, of *London Mediaeval Studies*.

SPENCER, T. J. B.

Reviews of the following :—

(19) F. P. Wilson, *Elizabethan and Jacobean*. *Review of English Studies*, xxiii (Jan. 1947), 79–80.

(20) G. F. Meier, *Thoughts on Jesting*, ed. by J. Jones. *Modern Language Review*, xlii (Oct. 1947), 508–9.

Fine Arts (Professor Randolph Schwabe)

A. Gwynne-Jones, D.S.O.

(1) *A Way of Looking at Pictures.* Phoenix House, 1947, 29 pp. (9 illus.).

French (Professor B. Woledge)

Southward, E. C.

(1) The Knight Yder and the Beowulf Legend in Arthurian Romance. *Medium Aevum*, xv, 1–47.

(2) Gormont, roi d'Afrique. *Romania*, lxix, 103–112.

(3) Review of *La Vie de S. Alexis*, ed. by C. Storey. *Modern Language Review*, xli (1947), 258–9.

Tancock, L. W.

(4) Some Early Critical Work of Emile Zola : " *Livres d'aujourd'hui et de demain* ". *Ibid.* (Jan. 1947), 43–57.

Reviews of the following :—

(5) Philippe Soupault : *Eugene Labiche sa, vie, son oeuvre*. *Ibid.* 144–5.

(6) Madame de Lafayette, *La Princesse de Clèves*, ed. E. Magne. *French Studies*, (Jul. 1947), 267–8.

Woledge, B.

Reviews of the following :—

(7) G. Cohen, *La Grande Clarté du Moyen Age*. *French Studies*, i, 261.

(8) Wartburg, *Évolution et structure de la langue française*. *Erasmus*, i, cols. 741–3.

Geography (Professor C. B. Fawcett)

Buchanan, R. O.

(1) The Empire and World Trade, *Britain and Her Export Trade*, ed. M. Abrams, Pilot Press (1946), 121–34.

Fawcett, C. B.

(2) " Marginal and Interior Lands of the Old World ". The Herbertson Memorial Lecture for 1939, Manchester, November 29, 1946. *Geography* (Mar. 1947), 1–12.

(3) " The Numbers and Distribution of Mankind ". The British–American Associations ' Exchange Lecture, Cambridge, Mass., 30 December, 1946. *The Scientific Monthly* (May 1947), 389–96. *The Advancement of Science* (Jun. 1947), 140–7.

Smailes, A. E.

(4) The Urban Mesh of England and Wales. *Institute of British Geographers*, Publication No. 11, 87–101.

(5) Middlesbrough Survey and Plan (published by Middlesbrough Corporation 1947). *The Geographical Setting*, 63–81. *The Economic Structure and Development of Tees-side and Cleveland*, 81–105.

(6) *The Analysis and Delimitation of Urban Fields.* Paper read to the British Association, Section E, Dundee, August 1947.

German (Professor L. A. Willoughby)

HATTO, A. T.

(1) "Venus and Adonis" . . . and the Boar. *Modern Language Review*, xli (1946), 353 ff.

(2) Two Notes on Chrétien and Wolfram. *Ibid.* xlii (1947), 243 ff.

MAGILL, C. P.

(3) Translation of *Memories of Rilke*, by Felix Braun. *German Life and Letters*, i (new series) (1947), 1.

Reviews of the following :—

(4) R. Pascal, *The Growth of Modern Germany*. *World Affairs*, i (new series), 2 (Apr. 1947), 200–201.

(5) Wolfgang Kayser, *Kleine deutsche versschule*. *Modern Language Review*, xlii (1947), 4.

Short notices of the following :—

(6) Geoffrey Barraclough, *Factors in German History*. *Ibid.*

(7) Kathleen A. Southwell, *Signposts in German Literature*. *Ibid.*

MAURER, K. W.

Editor of *Duckworth's German Texts.*

(8) *Death and the Ploughman.* Trans. and ed. with an Introduction. The Euston Press.

(9) Hermann Hesse : *Kinderseele*, ed. with an Introduction. Duckworth. (At press.)

(10) Goethe's *Elective Affinities*. *Modern Language Review* (Jul. 1947).

(11) A. E. Housman : Postuma. *Anglia*, lxiii, No. 1/2.

(12) Review of *Selected Letters of Rainer Maria Rilke* (1902–1926), trans. by R. F. C. Hull. *Modern Language Review*, (Jan. 1947), 149–51.

WILLOUGHBY, L. A.

Sub-editor for Germanic Literature in *Chambers' Encyclopaedia.*

Co-editor of *Modern Language Review* during absence of Professor Gillies in America.

Editor of the publications of *English Goethe Society*, xvi, 1947.

Co-editor of *German Life and Letters* (new series).

(13) *Unity and Continuity in Goethe.* Taylorian Lecture for 1947. Oxford. Clarendon Press, 1947.

(14) Review of E. M. Butler, *The direct method in German Poetry. Modern Language Review*, xlii (1947), 395–97.

History (Professor J. E. Neale)

BELLOT, H. H.

(1) Atlantic History. *History* (new series), xxxi (1947), 56–63.

(2) Section on the United States of America in the *Annual Bulletin of Historical Literature*, xxxi, 31–4. Historical Assn. (1946).

Reviews of the following :—

(3) R. M. Robbins, *Our Landed Heritage. The Public Domain*, 1776–1936. *English Hist. Review*, lxii (1947), 257–8.

(4) Judith K. Johnson (ed.), *The Journals of Charles King Newcomb. Modern Language Review*, xlii (1947), 263–4.

BINDOFF, S. T.

(5) Peace Making at Paris. *World Affairs* (new series), i, No. 1 (Jan. 1947), 57–67.

HUMPHREYS, R. A.

(6) Latin America. *Annual Bulletin of Historical Literature*, xxxi, 35. Historical Assn. (1946).

(7) Perspectiv på Latinamerika. *Utrikespolitik* (Stockholm, 1946), 215–23.

(8) The Study of Latin American History in England. *Bulletin of Spanish Studies*, xxiv (Apr. 1947), 146–53.

(9) The Emancipation of Spanish South America. *Life and Letters*, liv (Aug. 1947), 102–11.

JONES, A. H. M.

(10) The Topography of Roman Syria, a Review of R. Mouterde and A. Poidebard, *Les Limes de Chalcis. Geographical Journal*, cviii, Nos. 1, 2, 3 (Jul.–Sep. 1946), 89–92.

Italian (Professor R. Weiss)

WEISS, R.

(1) *The Dawn of Humanism in Italy.* Inaugural Lecture, London. H. K. Lewis, 1947.

(2) Notes on Thomas Linacre, *Miscellanea Giovanni Mercati*, iv (Città del Vaticano, 1946), 373–80.

(3) Bellino Bissolo Poeta Milanese del Duecento, *Archivio Storico Lombardo* (new series), x (1947), 31–45.

(4) A Fifteenth Century Biography of Dante, *Modern Language Review*, xlii (1947), 242.

Latin (Professor J. F. Lockwood)

LOCKWOOD, J. F.

(1) *The Tradition of Scholarship*. Inaugural Address, London. H. K. Lewis, 1947.

Librarianship (Mr. Raymond Irwin, Director)

IRWIN, R.

(1) *The National Library Service*. Grafton, 1947.

Library (Mr. John Wilks, Librarian)

GARSIDE, K.

(1) The Documentary Resources of Present-day Germany: the Acquisition of German Publications for use in Great Britain. *Association of Special Libraries and Information Bureaux: Report of proceedings of the 21st conference* (1946), 91–98.

(2) Post-war Problems of German Libraries. *Library Association Record*, 49 (1947), 169–74.

(3) An Intelligence Library in Germany. *Journal of Documentation*, 3 (1947), 99–106.

MARMOY, C. F. A.

(4) Review of Henry Evelyn Bliss, *A bibliographic classification, etc.*, Vol. II, 1947. *Journal of Documentation*, 3 (1947), 189–191.

(5) The problem of "collected papers". *Library Association Record*, 41 (1939), 425–6.

(6) Are "collected papers" wanted? With appendix: List of current periodicals containing reprinted material issued in the British Empire, excluding Canada. *Bulletin of the Medical Library Association*, 28 (1940), 140–5.

TOOTH, A. E.

(7) Impressions of the 14th International Conference on Documentation, Oxford, Sept. 1938. *Library Association Record*, 40 (1938), 561–2.

WILKS, JOHN.

(8) Chapter on "Book selection", in *A Manual of University and College Library practice*, ed. G. Woledge and B. S. Page. Library Assn., 1940.

(9) Danish Libraries in Britain: How Modern Studies Began. *Denmark* (Aug. 1947), 6–7.

(10) Danish Libraries in Britain: 1, University College London. *Denmark* (Sept. 1947), 6–7.

(11) Chapter on "National and University Libraries" in *The Year's Work in Librarianship*, 1939–1945. Library Assn. (At press.)

Philosophy (Professor A. J. Ayer)

AYER, A. J.

(1) *Thinking and Meaning*. Inaugural Lecture, London. H. K. Lewis, 1947.

(2) Phenomenalism. *Proc. Aristotelian Soc.* (1946–7).

(3) The Problem of Negation. *Proc. Marie Gerstler Foundation* (Zurich, 1947).

(4) A quoi prétend la philosophie? *Proc. U.N.E.S.C.O.*

Phonetics (Professor Daniel Jones)

FRY, D. B.

(1) *Articulation Tests*. Thesis for Ph.D. degree, 1947.

(2) The Frequency of Occurrence of Speech Sounds of Southern English. *Archives Néerlandaises de Phonétique Expérimentale*, 20 (1947).

JONES, DANIEL.

Editor of *Le Maître Phonétique*.

(3) Phonetic Representation of the Vowels in "cat" and "cut". *English Language Teaching*, 1, No. 7 (Jun. 1947).

O'CONNOR, J. D.

(4) The Phonetic System of a Dialect of Newcastle-upon-Tyne. *Le Maître Phonétique* (Jan.–Jun. 1947), No. 87.

PRING, J. T.

(5) What transcription is best for teaching pronunciation? *Ibid.* (Jul.–Dec. 1947), No. 88.

Political Economy (Professor G. C. Allen)

ALLEN, G. C.

(1) *British Industry*. Bureau of Current Affairs. 44 pp.

(2) Report of the Working Party on the Cotton Industry. *The Manchester School* (Nov. 1946).

(3) " Problems of British Industry " in Pamphlet entitled *Britain's Place in World Trade*. The *Economist* and Mather and Crowther, Aug. 1947. 11 pp.

(4) *Historia Economica del Japon*. (Spanish Translation of *A Short Economic History of Modern Japan*.) (Editorial Revista de Derecho Privado, Madrid.) Spring 1947. 300 pp.

Reviews of the following :—

(5) D. G. Haring, *Japan's Prospect*. (Harvard University Press.) *Pacific Affairs* (Jun. 1947), 211–12.

(6) F. Barret, *L'Évolution du Capitalisme Japonais*. (Éditions Sociales.) *Ibid.* (Mar. 1947), 103–5.

Psychology (Professor Sir Cyril Burt)

Banks, E. K. Charlotte.

(1) Report on Psychological Aspects of World Affairs. *Year Book of World Affairs* (1947), 306–18.

(2) Investigation and Treatment of Delinquency. *Brit. Med. J.* (May 1947), 306–18.

Banks, E. K. C. and Burt, C.

(3) A Factor Analysis of Body Measurements for Adult British Males. *Ann. Eugen.* xiii (1947), 238–56.

Burt, C.

(4) *Intelligence and Fertility*. Hamish Hamilton, 1946.

(5) *Mental and Scholastic Tests*. Enlarged Edition. Staples Press, 1947.

(6) Factor Analysis : its Aims and Results. *Miscellanea Psychologica Alberte Michotte*. Louvain (1947), 49–75.

(7) A Comparison of Factor Analysis and Analysis of Variance. *Brit. J. Psychol. Statistical Section I* (1947), 3–26.

(8) Factor Analysis and Physical Types. *Psychometrika*, xii (1947), 171–88.

(9) L'étude factorielle des types physique. *Biotypologie*, viii (1947), 42–55.

(10) L'étude experimentale des methodes factorielles. *Ibid.* ix (1947), 12–20.

(11) Personality. *Brit. J. Educ. Psychol.* xvii (1947), 6–19.

(12) Recent Work in Factor Analysis. *Ibid.* xvii (1947), 40–48.

(13) Selection of Pupils for Different Types of Secondary Schools. *Ibid.* xvii (1947), 57–71.

(14) Multiple Factor Analysis. *Ibid.* xvii (1947). (At press.)
(15) The Psychology of Skill. *Brit. Med. J.* (Jun. 1947), 890–91.
(16) Juvenile Delinquency. *Ibid.* (At press.)
(17) The Transfer of Training. *Universities Quarterly Review*, ii (1947).
(18) The Subnormal Child. *Journal of Education* (Oct. 1947), 7–15.
(19) Intelligence, Family Size and Social Class. *Population Studies*, i. (At press.)
(20) Intelligence and the Birthrate. *Brit. Med. Bull.* (At press.)
(21) The Dimensions of Personality. *Ibid.* v. (At press.)
(22) Obituary Notice. Charles Samuel Myers. *Occupational Psychology*, xxi, No. 1 (Jan. 1947), 1–6.
(23) Morphological Level of Personality. *Proc. R. Soc. Med.* xl (1947), 307–8.
(24) Statistical Methods in the Selection of Army Personnel. (Discussion.) *J. Roy. Statist. Soc.* viii (1947), 148–9.
(25) Multivariate Analysis. (Discussion.) *Ibid.* viii (1947), 321–3.

EYSENCK, H. J.

(26) *Dimensions of Personality*. Kegan Paul, London, 1946.
(27) Student Selection by Means of Psychological Tests. *Brit. J. Educ. Psychol.* xvii (1947), 20–39.
(28) The Measurement of Socially Valuable Qualities. *Eugenics Review* (Oct. 1947), 103–7.
(29) The Description and Measurement of Personality. *Occupational Psychology*, xl (1947), 102–4.
(30) Primary Social Attitudes. *International Attitude and Opinion Measurement* i (Oct. 1947).

FLUGEL, J. C.

(31) *Population, Psychology and Peace*. London, Watts & Co. 1947.

HAMILTON, M.

(32) Statistics: Retrodisplacement and Fertility. *Brit. Med. J.* (Mar. 1947), 350.
(33) Nomogram for the Tetrachoric Correlation Coefficient. *Nature*, 160 (1947), 473.

KEIR, G. H.

(34) *Remedial Readers. Adventures in Reading.* 6 vols. Oxford University Press, 1947.

PHILPOTT, S. J. F.

(35) Man's Adaptability. *The Advancement of Science*, iv, No. 15. (1947), 230–32.

Scandinavian Studies (Dr. A. H. Smith, Director)

BREDSDORFF, E.

(1) Danish Literature during the Occupation. *The Norseman*, (May–June 1946).

(2) George Bernard Shaw. *Land og Folk* (June 1946).

(3) Danish Literature. *Life and Letters* (May 1947).

(4) English Influence on Danish Literature. *Denmark* (Jul.–Oct 1947).

(5) Notes on " Twelve Stories by S. S. Blicher " and " Four Plays by Holberg ", *Modern Language Review*, xlii (1947).

(6) D. H. Lawrence, *The Man who Died*, ed. and trans., Copenhagen, 1947.

GRÖNDAHL, I. C.

(7) *Landmarks of English Literature*, 146 pp. Aschehoug & Co., Oslo, 4th Ed. 1943.

(8) *A First Norwegian Reader*, 94 pp., Cammermeyer's Boghandel, Oslo, 1945.

(9) " *Draumkvaede* ", *A Norwegian Visionary Poem from the Middle Ages*, trans. in *Studia Norwegica* No. 3. Aschehoug & Co., Oslo, 1946.

(10) Det mystiske draget i engelsk litteratur. *Syn og Segn* (Oslo, 1943). 16 pp.

(11) Henrik Wergeland—sjaaren. *Ibid.* (1945), 7 pp.

MESTERTON, E.

(12) Introduction to T. S. Eliot, *Dikter i urval* (Stockholm, 1942).

(13) *The Waste Land, Some commentaries by Eric Mesterton*, trans. Llewellyn Jones. Chicago, 1943.

(14) Incompatible Ideals in Rabelais. *Studier tillägnade Anton Blanck den 29 december* 1946, Uppsala, (1946), 10–37.

FACULTY OF LAWS

English Law (Professor G. W. Keeton)

FITZGERALD, R. C.

Assistant Editor of the *Journal of the Society of Public Teachers of Law.*

(1) Life Policies and Third Parties. *The Solicitor*, 13, No. 10, 187–9.

(2) Conditions Precedent. *Ibid.* 13, No. 11, 206–7.

(3) Irrevocable Powers of Attorney. *Ibid.* 13, No. 12, 224–5, (being a reply to the article by Dr. Ernst Wolff in the *Law Quarterly*, 62 (1946).

(4) Legal Choses in Action. *Ibid.* 14, No. 1, 4–6.
(5) Fiduciary Owners and Title Deeds. *Ibid.* 14, No. 2, 28–30.
(6) Donationes Mortis Causa. *Ibid.* 14, No. 3, 52–4.
(7) Ademption. *Ibid.* 14, No. 4, 75–6.
(8) Following Trust Property. *Ibid.* 14, No. 5, 100–101.
(9) Fraudulent Appointments. *Ibid.* 14, No. 6, 125–7.
(10) Equitable Apportionments I. *Ibid.* 14, No. 7, 148–51.
(11) Equitable Apportionments II. *Ibid.* 14, No. 8, 172–5.
(12) Mortgagees of Land: Priority and Conduct. *Ibid.* 14, No. 9, 196–99.
(13) Contributions to *Chambers' Encyclopaedia* on Administrative Law, Mercantile Law and Industrial Law.

Reviews of the following :—

(14) H. G. Hanbury, *Modern Equity* (5th edition). *Journal of the Society of Public Teachers of Law.* (new series), No. 1 (Part I), (1947), 59–60.
(15) Alexis de Tocqueville, *Democracy in America. World Affairs* (Jul. 1947), 330–2.

FRIEDMANN, W.

(16) *Legal Theory*, 2nd Edition. Stevens & Sons, 1946.
(17) *The Allied Military Government of Germany.* Stevens & Sons, 1947.
(18) The New Public Corporations and the Law. *Modern Law Review*, 10, 233–54, 377–95.
(19) Contributions to *Chambers' Encyclopaedia* on Law and Jurisprudence.

GRAVESON, R.

(20) Contribution to *Chambers' Encyclopaedia* on Conflict of Laws.

KEETON, G. W.

Editor of *The Solicitor.*
Joint Editor (with G. Schwarzenberger) of *World Affairs*, (new series), i (1947), of *The Yearbook of World Affairs* (1947) and of *The Library of World Affairs.*
Editor of the Legal Section of *Chambers' Encyclopaedia.*

(21) Nationalism in Eastern Asia. *Yearbook of World Affairs* (1947), 133–58.
(22) Austria. *World Affairs* (Jul. 1947), 278–85.
(23) The French Problem in Indo-China. *Ibid.* (Apr. 1947), 143–54.
(24) Contributions to *Chambers' Encyclopaedia* on English Law, Chinese Law and Babylonian Law.

MARSHALL, O. R.

(25) Contribution to *Chambers' Encyclopaedia* on Martial Law.

Oriental Law (Professor S. G. Vesey-FitzGerald)

VESEY-FITZGERALD, S. G.

(1) Contribution to *Chambers' Encyclopaedia* on Hindu Law (in collaboration with M. I. Zagday).

Reviews of the following :—

(2) Hutton, *Caste in India. Bulletin of the School of Oriental Studies.* 2½ pp.

(3) Pawate, *Daya-Vibhaga. Law Quarterly Review.* 2 pp.

ZAGDAY, M. I.

(4) The First Pan-Asiatic Conference. *World Affairs* (Jul. 1947), 311–19.

(5) Contributions to *Chambers' Encyclopaedia* on Muhammadan Law and Hindu Law (in collaboration with S. G. Vesey-FitzGerald).

International Law and Relations (Dr. G. Schwarzenberger)

GREEN, L. C.

(1) The Spanish Dilemma. *World Affairs*, 12, No. 3 (Oct. 1946).

(2) Trials of War Criminals. *The Solicitor*, 14, No. 7 (Jul. 1947).

(3) Recent Issues at Lake Success. *World Affairs* (new series), 1, No. 4 (Oct. 1947).

(4) Indian National Army Trials. *The Modern Law Review*, 12, No. 1 (Jan. 1947).

(5) Contribution to *Chambers' Encyclopaedia* on Japanese Law.

(6) Review of J. Mervyn Jones, *Full Powers and Ratification : Treaty Making Procedure. Modern Law Review*, 10, No. 3 (Jul. 1947).

SCHWARZENBERGER, G.

Joint Editor (with G. W. Keeton) of *World Affairs* (new series), i (1947), of *The Yearbook of World Affairs* (1947) and *The Library of World Affairs.*

(7) *A Manual of International Law.* Stevens & Sons, 1947.

(8) L'Avenir du Droit International. *Nouvelle Revue de Droit International Privé*, 13 (1946), 17–36.

(9) The Most-Favoured-Nation Standard in British State Practice. *British Yearbook of International Law* 22 (1946), 96–121.

(10) Las Perspectivas del Derecho International. *Revista de Derecho Internacional* 50 (1946), 147–61.

(11) The Breisach War Crime Trial of 1474. *War Crimes News Digest*. (United Nations War Crimes Commission), 20 (1946), Supplement.

(12) " A Shadow or a Fraud? " or The Atlantic Charter in Perspective. *World Affairs*, (new series), i (1947), 115–20.

(13) An Edict of Constantine the Great. A Contribution to the Study of Interpolations (together with F. M. Heichelheim). *Symbolae Osloenses*, 25 (1947), 1–19.

(14) The Judgment of Nuremberg. *Tulane Law Review*, 21 (1947), 329–61.

(15) International Law and Society. *Yearbook of World Affairs*, i (1947), 159–77.

(16) Patterns of International Law and Organization in the Atomic Age. *Juridical Review*, 59 (1947), 95–121.

(17) The Inductive Approach to International Law. *Harvard Law Review*, 60 (1947), 539–70.

(18) Contribution to *Chambers' Encyclopaedia* on International Law.

Roman Law (Professor H. F. Jolowicz)

Jolowicz, H. F.

Editor of the *Journal of the Society of Public Teachers of Law.*

(1) The Wicked Guardian. *Journal of Roman Studies* (1947), 82–99.

(2) Political Implications of Roman Law. *Tulane Law Review* (1947), (Buckland Commemoration Number), 62–81.

FACULTY OF SCIENCE

Botany (Professor W. H. Pearsall)

Fogg, G. E.

(1) Quantitative Studies on the Wetting of Leaves by Water. *Proc. Roy. Soc.* B, No. 134 (1947), 503–22.

(2) Nitrogen Fixation by Blue-green algae. *Endeavour*, 6 (1947), 172–5.

Jane, F. W.

(3) Observations of some British Chrysomonads: II. *Chrysostephanosphaera globulifera* Scherffel. *Ann. Mag. Nat. Hist.* Series II, xii (1945), 546–52.

(4) Some Common Conifers and their Timbers. *Essex Naturalist*, 28 (1947), 25–31.

(5) The Colonial Habit in some Lower Organisms. *Ibid.* 28 (1947), 3–11.

(6) The Natural History of Hertfordshire. *Trans. Herts Nat. Hist. Soc.* xxii (1946), 142–59.

PEARSALL, W. H.

(7) Ecological History of the English Lake District. *Journ. Ecol.* 34 (1947), 137–48.

(8) Water Supply and Biology. A Chadwick Lecture. *Nature*, 160 (1947), 176–7.

Chemistry (Professor C. K. Ingold)

AUSTIN, A. T., HUGHES, E. D., INGOLD, C. K.

(1) Textbook Organic Chemistry. *Nature*, 160 (1947), 406.

BAILEY, C. R. and CARSON, S. C.

(2) The Infra-red Absorption Spectrum of Gaseous Cyanogen C_2N_2. *J. Chem. Phys.* 7 (1939), 859.

BARRATT, A.

(3) *Ionisation of Alkyl Halides. Salt and Common Ion Effects in Substitution Reactions.* Thesis for Ph.D. degree 1945.

BENFORD, G. A., GILLESPIE, R. J., GODDARD, D. R., GRAHAM, J., HUGHES, E. D., INGOLD, C. K., MILLEN, D. J., PEELING, E. R. A., POOLE, H. G., REED, R. I.

(4) Aromatic Nitration. *Report of XIth International Congress of Pure and Applied Chemistry*, (1947).

BUNTON, C. A.

(5) *The Mechanism and Kinetics of Hydrolysis and Alcoholysis of some Esters.* Thesis for Ph.D. degree, 1945.

BUNTON, C. A., HUGHES, E. D., MINKOFF, G. J., REED, R. I.

(6) Nitration of Phenol and Aniline Derivatives. Rôle of Nitrous Acid. *Nature*, 158 (1946), 514.

CATCHPOLE, A. G.

(7) *Anionotropy and the Mechanism of Substitution in Allyl Compounds.* Thesis for Ph.D. degree, 1942.

CHURCH, M. G.

(8) *Mechanism and Steric Orientation of Substitution in Phenylhalogenoacetic Acids and Allied Compounds.* Thesis for Ph.D. degree, 1940.

DHAR, M. L.

(9) *Mechanism of Olefin Formation.* Thesis for Ph.D. degree, 1940.

DOSTROVSKY, I.

(10) *The Reactivity of Certain Alkyl Halides with Special Reference to the "Neopentyl" Problem.* Thesis for Ph.D. degree, 1942.

FREEBORN, K. A.

(11) *Some Polarographic Studies in Formamide and Other Solvents.* Thesis for Ph.D. degree, 1943.

FRENCH, C. M.

(12) *Diborane and Heavy Diborane.* Thesis for Ph.D. degree, 1940.

GARFORTH, F. M., INGOLD, C. K.

(13) Polyatomic Electronic Spectra. Further Analysis of the Vibrations of the B_{2u} State of Benzene. *Nature*, 158 (1946), 163.

GEORGIADIS, H.

(14) *Keten and Dideuteroketen.* Thesis for M.Sc. degree, 1941.

GILLESPIE, R. J., GRAHAM, J., HUGHES, E. D., INGOLD, C. K., PEELING, E. R. A.

(15) Cryoscopic Proof of the Formation of Nitronium Ion. *Nature*, 158 (1946), 480.

GODDARD, D. R., HUGHES, E. D., INGOLD, C. K.

(16) Isolation of Salts of the Nitronium Ion. *Ibid.* 158 (1946), 480.

GOLD, V.

(17) *Kinetics and Mechanism of Aromatic Nitration in Aprotic Solvents.* Thesis for Ph.D. degree, 1945.

GRAHAM, J.

(18) *Mechanism of Some Organic Reactions with Special Reference to Hydrolysis and Esterification.* Thesis for Ph.D. degree, 1943.

GRAHAM, R.

(19) *Walden Inversion in the Replacement of Hydroxyl by Halogen.* Thesis for Ph.D. degree, 1944.

GREAVES, E. G. N.

(20) *Mechanism of the Replacement of Halogen in β-Halogenated Carboxylic Acids and its Relation to the Walden Inversion.* Thesis for Ph.D. degree, 1945.

HALBERSTADT, E. S., HUGHES, E. D., INGOLD, C. K.

(21) Kinetics of Aromatic Nitration: the Nitracidium Ion. *Nature*, 158 (1946), 514.

HARVEY, S. H.

(22) *Aliphatic Substitution with Special Reference to the Spatial Orientation of Substitution.* Thesis for Ph.D. degree, 1945.

HERZFELD, N.

(23) *The Raman Spectra of Some Deuterated Benzenes and the Inactive Vibration Frequencies of Benzene.* Thesis for Ph.D. degree, 1943.

HIRON, F.

(24) *The Stereo-Orientation of Substitution in the Replacement of Halogen Groups by Amino Groups.* Thesis for Ph.D. degree, 1940.

HUGHES, E. D., INGOLD, C. K.

(25) Reactions of Organic Halides in Solution. *Nature*, 159 (1947), 166.

HUGHES, E. D., INGOLD, C. K., REED, R. I.

(26) The Kinetics of Aromatic Nitration : the Nitronium Ion. *Ibid.* 158 (1946), 448.

INGOLD, C. K.

(27) Les Réactions de la Chémie Organique (Quatre Conférences). *Actualités Scientifiques*, 1062 (1947), 1–50.

INGOLD, C. K., INGOLD, E. H.

(28) Constitutions of Dinitrogen Tetroxide and Trioxide. *Nature*, 159 (1947), 743.

INGOLD, C. K., MILLEN, D. J., POOLE, H. G.

(29) Spectroscopic Identification of the Nitronium Ion. *Ibid.* 158 (1946), 480.

JANZ, G. J.

(30) Concerning the Theoretical Aspects of the Reactions of Cyanogen and 1 : 3-Butadiene. *Canadian J. Research*, B25 (1947), 331.

LEEKE, F.

(31) *Ultraviolet Absorption Spectra of some Symmetrically Deuterated Benzenes.* Thesis for Ph.D. degree, 1947.

LONSDALE, K.

(32) What Chemistry owes to X-rays. *Nature*, 159 (1947), 285.

(33) Structure of Real Crystals. *Science Prog.* 137 (1947), 1.

(34) Extinction in X-ray Crystallography. *Mineralogical Magazine*, 28 (1947), 14.

LORD, D. D.

(35) *The Hydrolysis of β-Halogeno-Sulphides.* Thesis for Ph.D. degree, 1946.

MACCOLL, A.

(36) The Vibration Frequencies of the Trigonal Bipyramidal Model, AB_3C_2. *J. & Proc. Roy. Soc. N.S.W.* 79 (1946), 133.

(37) The Light Absorption and Resonance Energies of some Heterocyclic Molecules. *J. Chem. Soc. Lond.* (1946), 670.

(38) Colour and Constitution. *Quarterly Reviews of the Chem. Soc.* 1 (1947), 1–58.

MAW, G. A.

(39) *The Kinetics and Mechanism of Olefin Formation from some Onium Compounds.* Thesis for Ph.D. degree, 1944.

MILLEN, D. J.

(40) *Investigation of Systems containing Oxides of Nitrogen by Raman Spectroscopy.* Thesis for Ph.D. degree, 1946.

PEELING, E. R. A.

(41) *A Kinetic Study of the Hydrolysis and Alcoholysis of Certain Organic Halides.* Thesis for Ph.D. degree, 1944.

PEELING, M.

(42) *Polar Effects in Additions to Olefins.* Thesis for Ph.D. degree, 1944.

RAO, A. P.

(43) *Steric Orientation of Substitution in the Replacement Reactions of Phenyl Bromoacetic Acid and Analogous Compounds.* Thesis for Ph.D. degree, 1944.

REED, R. I.

(44) *Dilatometric Investigation of the Nitration of Aromatic Compounds by means of Nitric Acid.* Thesis for Ph.D. degree, 1946.

SHEEL, P.

(45) *Heavy Oxygen as an Isotopic Indicator of Reactions including Reactions " in vivo ".* Thesis for Ph.D. degree, 1940.

WELDON, L. H. P.

(46) *The Deuteration of Organic Compounds.* Thesis for Ph.D. degree, 1940.

WHITFIELD, I. C.

(47) *Mechanism of Replacement of .OR by .Hal in Relation to the Walden Inversion.* Thesis for Ph.D. degree, 1940.

WILSON, K. B.

(48) *Some New Aspects of Electro-Organic Reduction.* Thesis for Ph.D. degree, 1942.

WOOLF, L. I.

(49) *The Relative Ease of Elimination of Olefins from Alkyl Onium Salts.* Thesis for Ph.D. degree, 1944.

WYLIE, A. W.

(50) *Heavy Ethylene.* Thesis for Ph.D. degree, 1939.

Eugenics, Biometry and Genetics

(Professor J. B. S. Haldane and Professor L. S. Penrose)

BELL, J.

(1) On hereditary ataxia and spastic paraplegia (assisted by E. A. Carmichael.) *The Treasury of Human Inheritance*, 4 (1939), Pt. 3, 141–281. With pedigree plates XIX–XXII.

(2) On pseudo-hypertrophic and allied types of progressive muscular dystrophy. *Ibid.* 4 (1943), 283–341. With pedigree plates XXXIII–XLIV.

(3) Dystrophia mystonica and allied diseases, with clinical notes by J. Purdon Martin. *Ibid.* 5 (1947). With pedigree plates XLV–LXI.

(4) A determination of the consanguinity rate in the general hospital population of England and Wales. *Ann. Eugen.* 10 (1940), 370–91.

(5) On the age of onset and age at death in hereditray muscular dystrophy with some observations bearing on the question of antedating. *Ibid.* 11 (1941–2), 272–89.

(6) British Studies on the Genetic Aspect of Disease. *Brit. Med. Bull.* 2 (1944), 94–96.

FISHER, R. A. F. and HOLT, S. B.

(7) The experimental modification of dominance in Danforth's short-tailed mutant mice. *Ann. Eugen.* 12 (1944), 102–20.

GRÜNEBERG, H.

(8) *Animal Genetics and Medicine.* Hamish Hamilton, 1947.

(9) Human Genetics. *Eugenics Review*, 39, 59–62.

(10) Inherited Disorders of the Blood in Rodents. *Proc. Roy. Soc. Med.* 40, 191–2.

(11) Bilateral defect of the Radius in a Mouse. *Acta. Anatom.* 2, 270–4.

HALDANE, J. B. S.

(12) *A Banned Broadcast.* Chatto & Windus, 1946.

(13) *Science Advances.* Allen & Unwin, 1947.

(14) A Mathematical Theory of Chromosomal Rearrangements. *J. Genet.* Pt. I (1947).

(15) The Interaction of Nature and Nurture. *Ann. Eugen.* Pt. 2 (1946).

(16) The Cumulants of the Distribution of Fisher's "u_{11}" and "u_{31}" scores used in the detection and estimation of linkage in man. *Ibid.* Pt. 4 (1946).

(17) Sex Linkage and Sex Determination in a Mosquito, Culex Molestus. *Hereditas*, xxxiii (1947).

(18) The Mutation Rate of the Gene for Haemophilia and Segregation Ratios in ♂ and ♀. *Ann. Eugen.* Pt. 4 (1947).

(19) The Dysgenic Effect of Induced Recessive Mutations. *Ibid.* (1947).

HALDANE, J. B. S. and SMITH, C. A. B.

(20) A new estimate of the linkage between haemophilia and colour-blindness in man. *Ibid.* 14 (1947), 10–31.

HARRIS, H.

(21) The inheritance of premature baldness in men. *Ibid.* 13 (1946), 172–81.

(22) Microspermia in an individual from a family of unusually high sex ratio and low fertility. *Ibid.* 13 (1946), 156–9.

(23) The relationship of hair on the body to baldness. *Brit. J. Dermatol.* 59 (1947), 300–9.

(24) A pedigree of sex-linked ichthyosis vulgaris. *Ann. Eugen.* 14 (1947), 9.

(25) A genetical factor in perniosis. *Ibid.* 32–4.

HOLT, S. B.

(26) A polydactyl gene in mice capable of nearly regular manifestation. *Ibid.* 12 (1945), 220–49.

HOLT, S. B., WRIGHT, M. E.

(27) A further note on polydactyly in mice. *Ibid.* 13 (1946), 206–7.

KALMUS, H.

(28) *Simple Experiments with Insects.* Wm. Heinemann Ltd., 1948.

(29) The incidence of placenta praevia and antepartum haemorrhage according to maternal age and parity. With a note on the mathematical treatment by C. A. B. Smith. *Ann. Eugen.* 14 (1947), 283–90.

KARN, M. N.

(30) Length of human gestation with special reference to prematurity. *Ibid.* 14 (1947) 44–59.

MARTIN, J. PURDON, BELL, J.

(31) A pedigree of mental defect showing sex-linkage. *J. Neurol.* 6 (1943), 154–7.

MATHER, K., NORTH (HOLT), S. B.

(32) Umbrous: A case of dominance modification in mice. *J. Genet.* 40 (1940), 229-41.

PENROSE, L. S.

(33) Inheritance of Zygodactyly. *J. Heredity*, 37 (1946), 285–87.

(34) The Pattern Perception test: experimental results. *Brit. J. Med. Psychol.* 20, Pt. 4 (1946), 339–43.

(35) Moral deficiency. *J. Ment. Sci.* 93, (1947), 273–277.

(36) Some notes on discrimination. *Ann. Eugen.* 13 (1946), 228–37.

PENROSE, L. S., LEE, C. D.

(37) A contribution to the genetics of hair colour in man. *Ibid.* 13 (1946), 182–3.

SMITH, C. A. B.

(38) The counterfeit coin problem. *Math. Gaz.* 31 (1947), 31–39.

(39) Some examples of discrimination. *Ann. Eugen.* 13 (1947), 272–82.

(40) Note on mathematical treatment of H. Kalmus' paper on the incidence of placenta praevia. *Ibid.* 13 (1947), 289–90.

(41) Review: Maurice G. Kendall. *The Advanced Theory of Statistics*, Vol. II, London, 1946. *Ibid.* 14 (1947), 89–90.

Geology (Professor S. E. Hollingworth)

BARNARD, T.

(1) *Study of Microfauna of certain Lower Jurassic Rocks from the Banbury District.* Thesis for Ph.D. degree, 1947.

CHUBB, L. J.

(2) The Teaching of Geology in Schools. *Proc. Geol. Assn.* lviii (1947), 38–9.

WELLS, M. K.

(3) *Late-stage Modification and Replacement Phenomena in Granite Rocks with special reference to those of West of England type.* Dissertation for M.Sc. degree, 1947.

History and Philosophy of Science (Professor H. Dingle)

ARMITAGE, A.

(1) *Sun, Stand Thou Still: The Life and Work of Copernicus.* Schuman, New York, 1947.

(2) The Deviation of Falling Bodies. *Ann. Sci.* 5 (1947), 342–51.

(3) Review in *Observatory.*

CROMBIE, A. C.

(4) The Behaviour of Wireworms in Response to Chemical Stimulation (with W. H. Thorpe, R. Hill and J. H. Darrah). *J. exp. Biol.* 23 (1947), 234–66.

(5) Interspecific Competition. *J. Anim. Ecol.* 16 (1947), 44–73.

DINGLE, H.

(6) *The Missing Factor in Science.* Inaugural Lecture. H. K. Lewis, 1947, 18 pp.

(7) The Missing Factor in Science, *Nature*, 160 (1947), 108.

(8) Review of Bertrand Russell, *Physics and Experience. Proc. Phys. Soc.* 59 (1947), 509.

HEATHCOTE, N. H. DE V.

(9) *Studies in the History of the Physical Sciences.* Thesis for Ph.D. degree.

(10) Reviews in *Ann. Sci.*

MCKIE, D.

Joint Editor of *Ann. Sci.* 5, No. 4 (1947).

(11) Reviews in *Ann. Sci.* and *Times Literary Supplement.*

UNDERWOOD, E. A.

(12) Naval Medicine in the Ages of Elizabeth and James. Thomas Vicary Lecture, Royal College of Surgeons. *Annals of Royal College of Surgeons*, 1 (1947), 115–36.

(13) Before and After Morton—A Historical Survey of Anaesthesia. *Brit. Med. J.* 2 (1946), 525–31.

(14) William Harvey, *Les Medecins Célèbres*, Geneva.

(15) Sidney Herbert Daukes. *Nature*, 160 (1947), 560.

(16) Reviews in *Nature.*

Mathematics (Professor H. S. W. Massey)

BATES, D. R.

(1) The basic reactions in the Upper Atmosphere. *Proc. Roy. Soc.* **A**, 187 (1946), 250–96. (With H. S. W. Massey.)

(2) Continuous radiative cross-section of O , *M.N.R.A.S.* 106 (1946), 128–9.

(3) The quantal calculation of the photo-ionization cross-section of atomic potassium. *Proc. Roy. Soc.* A, 188 (1946), 350–7.

(4) The equilibrium of atmospheric sodium. *Terr. Mag. and Atmos., Electricity*, 52 (1947), 71–6.

(5) The study of Negative ions by extrapolation through isoelectronic series. *Proc. Roy. Irish Acad.* 51A (1947), 151–61.

BOSANQUET, L. S.

(6) Note on Hölder means. *J. London Math. Soc.* 21 (1946), 11–15.

BUCKINGHAM, R. A.

(7) The Collision of Neutrons with Deuterons and the Reality of Exchange Forces. (With H. S. W. Massey.) *Phys. Rev.* 71 (1947), 558.

DAVENPORT, H.

(8) On a theorem of Tschebotareff. *J. London Math. Soc.* 21 (1946), 28–34.

(9) On indefinite quadratic forms in five variables. (With H. Heilbronn.) *Ibid.* 21 (1946), 185–93.

(10) On the product of three non-homogeneous linear forms. *Proc. Cambridge Phil. Soc.* 43 (1947), 137–52.

(11) On Minkowski's fundamental theorem in the geometry of numbers. (With J. G. van der Corput.) *Proc. K. Akad. Wet. Amsterdam*, 49 (1946), 701–7.

(12) The Geometry of Numbers. *Nature*, 159 (1947), 104.

(13) Non-homogeneous binary quadratic forms, II. *Proc. K. Akad. Wet. Amsterdam*, 50 (1947), 378–89.

(14) Non-homogeneous binary quadratic forms, III. *Ibid.* 50 (1947), 484–91.

(15) Sur une extension d'un theoreme de Minkowski. *Comptes Rendus*, 224 (1947), 990–1.

(16) Obituary Notice of W. E. H. Berwick. *J. London Math. Soc.* 21 (1946), 74–80.

ESTERMANN, T.

(17) Note on a theorem of Minkowski. *Ibid.* 21 (1946), 179–82.

KESTELMAN, H.

(18) On the functional equation $f(x+y)=f(x)+f(y)$. *Fundamenta Mathematica*, 34 (1946), 144–47.

(19) Integral properties of non-measurable functions. *J. London Math. Soc.* 21 (1947), 283–90.

MASSEY, H. S. W.

(20) The Peace-time Application of Atomic Energy. *Year-book of World Affairs*, i (1947), 265–78.

(21) Semi-Conductors. *J. Sci. Instr.* 24 (1947), 220–4.

(22) Electrons, Nuclei and Atomic Energy. *Brit. J. Physiol. Optics*, 5 (1946), 47–55.

ROGERS, C. A.

(23) A note on a theorem of Blichfeldt. *Proc. K. Akad. Wet. Amsterdam*, 49 (1946), 930–5.

(24) Addendum to "Linear transformations which apply to all convergent sequences and series". *J. London Math. Soc.* 21 (1946), 182–5.

Physics (Professor E. N. da C. Andrade)

ANDRADE, E. N. DA C.

(1) *The Atom and its Energy*. G. Bell & Sons, London, 1947. (Pp. xii+196. 8vo.)

(2) *Viscosity and Plasticity*. W. Heffer & Sons, Cambridge, 1947. (Pp. 82.)

(3) *Newton, Royal Society Tercentenary Celebrations*. University Press, Cambridge, 1947. (Pp. 3–23.)

(4) A Device for Maintaining Constant Stress. *Proc. Phys. Soc.* lx. (1948), 304–07.

(5) L'Écoulement des Métaux. (At press.)

(6) The Creep of Metals. (At press.)

(7) The Uncertainty Principle. *Listener*, (10 Jul. 1947), 53–4, 69–70.

(8) A New Discovery in Magnetism. *Ibid.* (29 May 1947), 834.

(9) Professor Max Planck—An Appreciation. *Ibid.* (6 Nov. 1947), 811–12.

Reviews of the following :—

(10) Marjorie Nicholson, *Newton Demands the Muse*. *Nature* (18 Oct. 1947), 517–8.

(11) Sir John Craig, *Newton at the Mint*. *Ibid.* (1 Nov. 1947), 589–90.

BROWN, R. C.

(12) The Fundamental Concepts concerning Surface Tension and Capillarity. *Proc. Phys. Soc.* lix (1947), 429–46.

BROWN, R. C., MCCORMICK, H.

(13) A New Drop-Weight Method for the Comparison of Surface Tension. *Phil. Mag.* (1948). (At press.)

DUNCANSON, W. E., COULSON, C. A.

(14) Electron Momenta in Atoms. *Proc. Phys. Soc.* (At press.)

EISENSCHITZ, R.

(15) Modern Formulation of van der Waal's Ideas. *Science Prog.* 39 (1947), 470–83.

(16) The Effect of Temperature on the Thermal Conductivity and Viscosity of Liquids. *Proc. Phys. Soc.* lix (1947), 1030–36.

Statistics (Professor E. S. Pearson)

DAVID, FLORENCE N.

(1) A χ^2 " smooth " test for goodness of fit. *Biometrika*, 34 (1947), 299–310.

(2) A power function for tests of randomness in a sequence of alternatives. *Ibid.* 34 (1947), 335–39.

HARTLEY, H. O., KHAMIS, S. H.

(3) A numerical solution of the problem of moments. *Ibid.* 34 (1947), 340–51.

JOHNSON, N. L. (with C. E. R. Bruce).

(4) Flareproof Electrical Apparatus. A statistical method of assessing the safety of gaps between flanges. *J. Inst. Elect. Eng.* 95 (1948).

PEARSON, E. S.

(5) The choice of statistical tests illustrated on the interpretation of data classed in a 2×2 table. *Biometrika*, 34 (1947), 139–67.

WELCH, B. L.

(6) The generalization of " Student's " problem when several different population variances are involved. *Ibid.* 34 (1947), 28–35.

Zoology (Professor D. M. S. Watson)

EL-TOUBI, M.A.

(1) The Development of the Cephalic Vessels of *Acanthias vulgaris*. (Ph.D. thesis.) *Bull. Fac. Sci. Fouad I Univ. Cairo*, 23 (1941), 1–40.

HOWES, N. H.

(2) The Skin of the Tadpole of the Common Toad, *Bufo bufo bufo*. *Proc. Zool. Soc. Lond.* 116 (1947), 602–10.

KÜHNE, W. G.

(3) The Geology of the Fissure-filling " Holwell 2 "; the age determination of the Mammalian Teeth therein ; and a Report on the Technique employed when Collecting the Teeth of *Eozostrodon* and Microcleptidae. *Ibid.* 116, Pts. III and IV (1947), 729–33.

WATSON, D. M. S.

(4) Sir Clive Forster-Cooper, F.R.S. *Nature*, 160 (27 Sep. 1947), 425.

WHITE, M. J. D.

(5) The Cytology of the Cecidomyidae (Diptera), III. Spermatogenesis of *Taxomyia taxi*. *J. Morph.* 80 (1947), 1–24.

YOUNG, C. C.

(6) Mammal-like reptiles from Lufeng, Yunnan, China. *Proc. Zool. Soc. Lond.* 117 (1947), 537–97.

FACULTY OF ENGINEERING

Civil and Municipal Engineering (Professor H. J. Collins and Professor C. A. Hart)

BALLANTYNE, A. M.

(1) *Recent Development in Air Survey*. Paper read before Newcastle Branch of the Institution of Civil Engineers, 5 Nov. 1947.

COLLINS, H. J.

(2) *Post War Aspects of Structural Engineering*. The Bossom Lecture, 1947.

(3) Foreword to *Structural Analysis*, by Professor Fisher Cassie.

HART, C. A.

(4) *Air Photography Applied to Surveying*. Longmans Green. 366 pp. 3rd Edition. (At press.)

(5) *Some War-time Applications of Air Survey, including the Employment of Radar for Remote Control and the Effect of Survey and Photogrammetry in Peace—Symposium of War-time Engineering Problems*. Institution of Civil Engineering. June 1947. 23 pp.

(6) " Air Survey : The Modern Aspect ". Paper read before Royal Geographical Society, March 1946. *Geographical Journal*, cvii, Nos. 4–6 (Apr. 1947), 179–98.

(7) " Recent Advances in Air Survey and their Application ". Paper read before the Commonwealth Survey Officers' Conference 1947. *J. Royal Institution of Chartered Surveyors* (Nov. 1947).

Reviews of the following :—

(8) Clark. *Plane and Geodetic Surveying*, i, 4th Edition. *Ibid.* (Jan. 1947).

(9) Professor Fisher Cassie. *Structural Analysis*. *Structural Engineer*, xxv, No. 10. (Oct. 1947.)

HOUNSFIELD, R. B.

(10) Review of *Antrobus one-way proposals for London. Architects Journal* (23 Jan. 1947).

(11) Leader on Advisory Committee's Report on London Regional Plan. *Ibid.* (10 Apr. 1947).

MISKIN, E. A.

(12) *Air Survey Photography.* Paper read before Royal Photographic Society, November 1947.

STEWART, D. A.

(13) The Future of the Pre-cast Concrete Industry. *Engineering* (1946).

(14) Supports for Overhead Transmission Lines. *Ibid.* (1947).

VAUGHAN, R. C.

Reviews of the following :—

(15) T. J. Bray, *A Course of Reinforced Concrete Design. J. Inst. of Municipal Engineers*, lxiii, No. 9.

(16) Husband and Harby, *Structural Engineering. Ibid.* lxxiv, No. 2.

Mechanical Engineering (Professor G. T. R. Hill)

HILL, G. T. R.

(1) Transport Aircraft of the Future. *International Air Transport*, 1947.

JACKSON, K. L.

(2) Plastic Straining. *Sheet Metal Industries* (Sep. 1947), 24, No. 245, 1795.

Electrical Engineering

(Professor R. O. Kapp and Professor H. E. M. Barlow)

BARLOW, H. E. M.

(1) *Microwaves and Wave-guides.* Constable, 1947.

(2) *Exploitation of Microwaves for Trunk Wave-guide Multi-channel Communications.* Paper read at the Radio Convention, British Institute of Radio Engineers.

(3) Electrical Protection of Discharge-tube Installations. *Electrical Times* (30 Jan. 1947).

(4) Fluorescent Technique. *Ibid.* (1 May 1947).

(5) *Hot Cathode and Cold Cathode Discharge Tube Lighting.* Discussion in I.E.E. Feb. 1947.

BROOKES, B. C.

(6) The Presentation of Technical Information. *Journal of the Institute of the Motor Industry.* (Sep. 1947). Reprint of a paper read in Birmingham at an Educational Conference of the Institute.

CULLEN, A. L.

(7) The Measurement of Large Pulse Voltages at 200 Mc/s. *J. I.E.E.* 93, Pt. IIIA, No. 8, 1311.

FACULTY OF MEDICAL SCIENCES

Anatomy and Embryology
(Professor J. Z. Young and Professor G. R. de Beer)

ABERCROMBIE, M., JOHNSON, M. L.

(1) The Effect of Reinnervation on Collagen formation in Degenerating Sciatic Nerves of Rabbits. *J. Neurol. Neurosurg. and Psychiat.* 10 (1947), 89–92.

AITKEN, J. T., SHARMAN, M., YOUNG, J. Z.

(2) Maturation of Regenerating Nerve Fibres with various Peripheral Connexions. *J. Anat. Lond.* 81, Pt. 1 (Jan. 1947).

DE BEER, G. R.

(3) *The Embryology and Evolution of Man.* Congratulatory Volume to Robert Broom. (At press.)

(4) *Some Glimpses of Historical Figures of Modern Zoology.* Congratulatory Volume to Charles Singer. (At press.)

(5) *Notes and Records of the Royal Society of London.* (Ed.), v. 5, Pts. I and II. 1947.

(6) The differentiation of neural crest cells into visceral cartilage, and odontoblasts in Amblystoma, and a re-examination of the germ-layer theory. *Proc. Roy. Soc.* B, 134 (1947).

(7) Edwin Stephen Goodrich, *Obituary notices of the Royal Society*, v, 15 (1947).

(8) "Edmund Davall, F.L.S." An unwritten English chapter in the history of Swiss Botany. *Proc. Linn. Soc. Lond.* 159 (1947).

(9) Embryology. *Hutchinson's Encyclopaedia.* (At press.)

(10) Caenogenesis. *Encyclopaedia Britannica.* (At press.)

(11) Twelve articles on Embryological subjects for *Chambers' Encyclopaedia.*

Evans, D. H. L.

(12) Endings produced by somatic fibres growing into the adrenal gland. *J. Anat. Lond.* 81, Pt. 3 (Jul. 1947).

Joseph, J.

(13) Absence of Cell multiplication during degeneration of non-myelinated nerves. *Ibid.* 81, Pt. 2 (Apr. 1947).

Mount, L. E. (under supervision of K. C. Richardson).

(14) Quantitative Estimation of Pancreatic Islets in the Mouse. *J. Endocrinol.* (At press.)

Richardson, K. C.

(15) Some Structural Features of the Mammary Tissues. *Brit. Med. Bull.* (At press.)

(16) Article for *Chambers' Encyclopaedia* on Histology.

Sholl, D.

(17) Allometry of the Vertebrate Brain. *Nature*, 159 (22 Feb. 1947), 269.

(18) Formulæ and Brain Weights. *Nature* 160 (6 Dec. 1947), 805.

Vizoso, A. D., Young, J. Z.

(19) Internode length and fibre diameter in developing and regenerating nerves. *J. Anat. Lond.* (At press.)

Young, J. Z., Barker, D.

(20) Recovery of Stretch Reflexes after Nerve injury. *Lancet* (24 May, 1947), 704.

Biochemistry (Professor F. G. Young)

Campbell, P. N., Davson, H.

(1) Absorption of 3–methyl glucose from the small intestine of the rat and cat. *Biochem. J.* 41 (1947), xl.

Kerly, L. Margaret.

(2) The hexokinase activity of retinal extracts. *Ibid.* 42 (1948).

Maw, G. A.

(3) Identification of Creatine by Partition Chromatography. *Nature*, 160 (1947), 261.

(4) Creatine and Creatinine excretion in Women. *Biochem. J.* 41 (1947), 4, 482.

MOUNT, L. E.

(5) A rapid method of volumetric and numerical estimation of pancreatic islets in the mouse. *J. Endocrinol.* 5 (1948).

REID, E., SMITH, R., YOUNG, F. G.

(6) The hexokinase-inhibiting activity of diabetogenic anterior pituitary extracts. *Biochem. J.* 42 (1948).

ROY, A.

(7) *Studies on the Hormonal Control of Lactation and Growth.* Thesis for Ph.D. degree, 1947.

(8) Influence of hormones on growth in rats. *J. Endocrinol.* 5 (1947), xxxv.

(9) The galactopoietic activity of hormones in cows in declining lactation. *Ibid.* 5 (1947), xxxv.

WILLIAMS-ASHMAN, G. H.

(10) The influence of thyroglobulin and iodinated casein on the respiration of rat liver slices. *Ibid.* 5 (1948).

YOUNG, F. G.

(11) Biochemistry of the Adrenal Cortex. *Reports Progr. Chem.* 42 (1945), 214–31.

(12) Adrenal Cortex and Metabolism (including electrolyte metabolism). *J. Endocrinol.* 5 (1947), xlv–lii.

(13) Experimental stimulation (galactopoiesis) of lactation. *Brit. Med. Bull.* 5 (1947), 155–160.

(14) Mechanism of action of Insulin. *Science Prog.* 31 (1948), 13–37.

Pharmacology (Professor F. R. Winton)

SCHILD, H. O.

(1) *p*A, A new scale for the Measurement of Drug Antagonism. *Brit. J. Pharmacol.* 2 (1947), 189–206.

WILSON, A. (with J. H. Gaddum).

(2) Treatment of Myasthenia Gravis with Di-isopropylfluorophosphonate. *Nature*, 159 (1947), 680.

Physiology (Professor C. Lovatt Evans)

EGGLETON, M. GRACE.

(1) Some factors affecting the acidity of urine in man. *J. Physiol.* 107 (1946), No. 4, 456.

Evans, C. Lovatt.

(2) Principles of Human Physiology. 9th Ed. (Reprinted). Churchill and Co. 1947.

Pirenne, M. H. L.

(3) The thermal radiation inside the eye and the red end of the spectral sensitivity curve. *Proc. Physiol. Soc.* (17 Apr. 1947), and *J. Physiol.* 106 (1947), 25 pp.

(4) *Visual acuity and the quantum nature of light.* XVII International Physiological Congress, Oxford, 1947. *Abstracts of communications*, 115.

(5) The eye as a detector of light. Quantum fluctuations in vision. *Science Prog.* 35 (1947), 605–22.

(6) On physiology and consciousness. *Brit. J. Psychol.* 37 (1947), 82–6.

Physiology (Biophysics Research Unit) (Professor A. V. Hill)

Abbott, B. C., Downing, A. C., Hill, A. V.

(1) Rapid equipment for recording muscle heat. *J. Physiol.* 106 (1947), 31.

Harris, E. J.

(2) A method for the measurement of small direct currents. *Electronic Engineering* (Aug. 1947), 249–50.

(3) Valve Operating Point with Cathode Load. *Wireless Engineer*, 25 (Feb. 1948), 63.

Harris, E. J., Bishop, P. O.

(4) Electro encephalograph amplifier. *Wireless Engineer*, 24 (Dec. 1947), 375.

Hill, A. V.

(5) Scientific Ethics. *Science and Life in the World* (*George Westinghouse Centennial Forum*), 1, 3–22, MacGraw-Hill Book Co. Inc., New York, 1946.

Katz, B.

(6) Sub-threshold potentials in medullated nerve. *J. Physiol.* 106 (1947), 66–79.

(7) The Effect of Electrolyte Deficiency on the Rate of Conduction in a Single Nerve Fibre. *Ibid.* 106 (1947), 411–417.

Katz, B., Lou, C. H.

(8) Electric Rectification in frog's muscle. *J. Physiol.* 106 (1947), 29–31.

(9) Transverse stimulation of muscle with alternating current. *Ibid.* 106 (1947).

(10) Contractility of muscle in isotonic potassium salt solution. *Ibid.* 106 (1947).

MONGAR, J. L., WASSERMANN, A.

(11) Ionic exchange and fibre contraction. *Nature*, 159 (1947), 746.

(12) Ionic exchange and fibre contraction. *J. Physiol.* 106 (17 Apr. 1947), 320.

WASSERMANN, A., MONGAR, J. L.

(13) Ionic exchange and fibre contraction. 17th International Congress of Pure and Applied Chemistry, Section 10, *Abstract* No. 94/10, 1947.

(14) Alginic acid-acetate. *Nature*, 158 (1946), 271.

(15) The reaction between gaseous cyclo-Pentadiene and Benzoquinone. *J. Chem. Soc. Lond.* (1946), 1089. (While engaged in Chemistry Department.)

APPENDIX VII.

HONORARY FELLOWS OF UNIVERSITY COLLEGE LONDON

THE YEAR OF CONFERMENT OF THE TITLE IS GIVEN IN BRACKETS

DALE, Sir Henry Hallett, O.M., G.B.E., M.A., M.D., F.R.C.P., F.R.S., Chairman of The Wellcome Trust; formerly President of the Royal Society. [1948].

HILL, Archibald Vivian, C.H., M.A., LL.D., Sc.D., D.Sc., F.R.S., Foulerton Professor of Physiology (Biophysics Research Unit) University College London. [1948].

KENNET of the Dene, The Rt. Hon. Lord, P.C., G.B.E., D.S.O., D.S.C., M.A., D.C.L. [1932].

PYE, David Randall, C.B., M.A., Sc.D., F.R.S., Provost of University College London. [1946].

WATSON, David Meredith Seares, LL.D., D.Sc., M.D., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy, University College London. [1948].

APPENDIX VIII.

FELLOWS OF UNIVERSITY COLLEGE LONDON

THE YEAR OF ELECTION TO FELLOWSHIP IS GIVEN IN BRACKETS

* Denotes a former pupil of University College School

A complete list of the Fellows of the College, from 1843 to 1930, is published in the Calendar for 1931–32, pp. lxvii–lxxxi.

ALLEN, T. W., M.A., F.B.A., Fellow and Senior Tutor, The Queen's College, Oxford. [1886].

ANDRADE, Edward Neville da Costa, D.Sc., Ph.D., F.R.S., Quain Professor of Physics, University College London; formerly Professor of Physics, Artillery College, Woolwich. [1916].

ANREP, Gleb, M.A., D.Sc., M.D., F.R.S., Professor of Physiology, University of Cairo; sometime Senior Assistant, Department of Physiology, University College London, and Lecturer in Physiology, University of Cambridge. [1928].

ARBER, Agnes (*née* Robertson), M.A., D.Sc., F.L.S., F.R.S., formerly Lecturer in Botany, University College London. [1906].

BARLOW, Harold Everard Monteagle, Ph.D., M.I.E.E., A.M.I.Mech.E., Professor of Electrical Engineering, University College London. [1946].

BARRINGTON, Frederick James Fitzmaurice, M.S., F.R.C.S., formerly Surgical Registrar and House Surgeon, University College Hospital. [1920].

BASSETT, Henry, D.Sc., Ph.D., D.-ès-Sc., Director of Research and Development, Peter Spence & Sons, Ltd., Widnes, Lancs; formerly Professor of Chemistry, University of Reading. [1912].

BATHO, Edith Clara, M.A., D.Lit., Principal, Royal Holloway College for Women; formerly Reader in English Literature, University College London; sometime Quain Student and Senior Lecturer in English. [1934].

BAYNES, Norman Hepburn, M.A., D.Litt., D.D., F.B.A., F.S.A., Professor Emeritus of Byzantine History, University College London; formerly Reader in History of the Roman Empire and Director, Evening School of History. [1936].

BELLOT, Hugh Hale, M.A., Commonwealth Fund Professor of American History, University College London, and Historian of the College; formerly Reader in Modern History, Victoria University of Manchester; Member of the Senate of the University of London. [1932].

BESANT, Arthur Digby, B.A., Past Pres. I.A., formerly General Manager and Actuary, Clerical, Medical and General Life Assurance Society; Member of University College Committee and Joint Treasurer. [1924].

BHATNAGAR, Sir Shanti Swarupta, O.B.E., D.Sc., F.R.S., Director of Scientific and Industrial Research, Government of India; formerly Professor of Chemistry and Director, University Chemistry Laboratory, University of the Punjab. [1946].

BLACKER, Sir George Francis, C.B.E., M.D., B.S., F.R.C.P., F.R.C.S., Consulting Obstetric Physician to University College Hospital; formerly Dean of University College Hospital Medical School; sometime Member of University College Committee. [1896].

BLACKMAN, Elsie (*née* Chick), formerly Senior Lecturer in English, University College London; sometime Quain Student in English. [1918].

BRENCHLEY, Winifred Elsie, D.Sc., F.L.S., Head of Botanical Department, Rothamsted Experimental Station. [1914].

BROWN, Sidney George, M.I.E.E., F.Inst.P., F.R.S., Inventor and Electrical Engineer; Founder and late Chairman of the Telegraph Condenser Company. [1932].

BUCHANAN, Anna Maud, M.A. [1884].

CARTER, James Thornton, F.Z.S., formerly Honorary Research Assistant in Histology, University College London. [1926].

CHANNON, Harold John, C.M.G., D.Sc., Director of Technical Division, Unilever, Ltd.; formerly Professor of Biochemistry, University of Liverpool, and Biochemist in the Department of Experimental Pathology and Cancer Research, University of Leeds. [1932].

CHAPMAN, Hugh Wallis, B.Sc. [1906].

CHENG, Tien-Hsi, LL.D., Chinese Ambassador to Great Britain; Member of the Permanent Court of International Justice, The Hague. [1938].

CHICK, Harriette, C.B.E., D.Sc., Lecturer in Experimental Pathology, Lister Institute; sometime Member of University College Committee. [1918].

CHUBB, Gilbert Charles, M.B., B.S., D.Sc., F.R.C.S., Surgeon-in-Charge, Ear and Throat Department, Westminster Hospital; Assistant Professor of Zoology, University College London. [1908].

CLARKE, Hans Thacher, D.Sc., Professor of Biochemistry, University of Columbia; formerly Head Organic Chemist to American Kodak Company. [1916].

COLLET, Clara Elizabeth, M.A., formerly Senior Investigator, Board of Trade; Governor of Bedford College, London; sometime Member of Council, Royal Economic Society. [1896].

COLLINSON, William Edward, M.A., Ph.D., Professor of German, University of Liverpool; Member, University Grants Committee. [1916].

COWELL, Major-General Sir Ernest Marshall, K.B.E., C.B., D.S.O., T.D., M.D., F.R.C.S., Honorary Surgeon to H.M. the King; Principal Medical Officer, Control Commission for Germany; formerly Director of Medical Services, Allied Forces, N. Africa; sometime Resident Medical Officer, University College Hospital. [1918].

CRIPPS, The Rt. Hon. Sir Richard Stafford, P.C., K.C., M.P., Chancellor of the Exchequer and Minister for Economic Affairs; formerly President of the Board of Trade and Minister of Aircraft Production; sometime Lord Privy Seal, British Ambassador to U.S.S.R.; Solicitor-General and Lord Rector of the University of Aberdeen, [1930].

DONKIN, Sidney Bryan, M.Inst.C.E., M.I.Mech.E., M.I.E.E., M.Cons.E., Senior Partner, Messrs. Kennedy & Donkin, Consulting Engineers; Past President, Institution of Civil Engineers. [1946].

DONNAN, Frederick George, C.B.E., M.A., LL.D., Ph.D., D.Sc., F.R.S., Professor Emeritus of Chemistry, University College London; formerly Director of the Chemical Laboratories University College London; sometime Professor of Physical Chemistry and Director of the Muspratt Laboratory of Physical and Electro-Chemistry, University of Liverpool. [1936].

DUKE-ELDER, Sir William Stewart, K.C.V.O., M.A., D.Sc., M.D., Ph.D., F.R.C.S., Surgeon Oculist to H.M. the King. [1948].

EASON, Sir Herbert Lightfoot, C.B., C.M.G., M.D., M.S., F.R.C.S., President of the General Medical Council; formerly Principal of the University of London; sometime Vice-Chancellor of the University. [1938].

EGERTON, Sir Alfred Charles Glyn, M.A., B.Sc., F.R.S., Professor of Chemical Technology, Imperial College of Science; Secretary to the Royal Society; formerly Reader in Thermodynamics, University of Oxford. [1928].

EGGLETON, Marion Grace, D.Sc., M.R.C.S., L.R.C.P., Senior Lecturer in Physiology, University College London. [1948].

ELDERTON, Ethel Mary, D.Sc., formerly Hon. Research Associate in Statistics; sometime Reader in Social Statistics, Reader in Eugenics, and Galton Research Fellow, University College London. [1920].

EVANS, Benjamin Ifor, M.A., D.Lit., Principal of Queen Mary College, London; formerly Professor of English Language and Literature, Queen Mary College, London; sometime Professor of English, University College, Southampton, and Professor of English Literature, University of Sheffield. [1934].

EVANS, Charles Arthur Lovatt, D.Sc., LL.D., F.R.C.P., F.R.S., Jodrell Professor of Physiology, University College London; sometime Professor of Physiology, University of Leeds, and Professor of Physiology, St. Bartholomew's Hospital Medical College. [1918].

FAWCETT, Philippa Garrett, M.A., formerly Principal Assistant, Education Officers' Department, L.C.C. Education Committee. [1892].

FORDE, Cyril Daryll, Ph.D., Professor of Anthropology, University College London. [1946].

FRASER, Elizabeth Alice, D.Sc., Hon. Research Associate, Department of Zoology, University College London; formerly Reader in Zoology, University College London. [1924].

GARDHAM, Arthur John, M.B., M.S., F.R.C.S., L.R.C.P., Surgeon, University College Hospital; formerly Hunterian Professor of the Royal College of Surgeons. [1946].

GARNER, William Edward, C.B.E., D.Sc., F.R.S. Leverhulme Professor of Physical Chemistry, University of Bristol; formerly Reader in Physical Chemistry, University College London. [1930].

GASKELL, Surgeon Vice-Admiral Sir Arthur, K.C.B., O.B.E. F.R.C.S., Hon. Surgeon to H.M. the King; formerly Medical Director-General of the Navy. [1928].

GIBB, Sir Alexander, G.B.E., C.B., LL.D., F.R.S.E., F.R.S., Senior Member of the Firm of Sir Alexander Gibb & Partners, Consulting Civil Engineers; Past President of the Institutions of Civil Engineers and Chemical Engineers; Member of the College Committee. [1920].

GINSBERG, Morris, M.A., D.Lit., Martin White Professor of Sociology, London School of Economics; formerly Assistant and Lecturer in the Department of Philosophy and Psychology, University College London. [1926].

GOODEVE, Sir Charles Frederick, O.B.E., D.Sc., F.R.S., Director, British Iron and Steel Research Association; formerly Reader in Chemistry, University College London. [1946].

GOODYEAR, Edith, B.Sc., formerly Tutor to Women Students, University College London; sometime Senior Assistant and Hon. Lecturer, Department of Geology. [1946].

GRATTAN, John Henry Grafton, B.A., Professor Emeritus; formerly Baines Professor of English Language and Philology, University of Liverpool; sometime Reader in English Language and Literature, University College London. [1928].

GRAY, Sir Archibald Montague Henry, C.B.E., M.D., F.R.C.P., F.R.C.S., Consulting Physician, University College Hospital; sometime Dean of University College Hospital Medical School; Member of the Senate of the University of London. [1908].

HAAS, Paul, Ph.D., D.Sc., formerly Reader in Plant Chemistry, University College London, and Lecturer in Physics and Chemistry Royal Botanical Gardens, Kew. [1928].

HALL, George, C.M.G., M.D., B.Sc., F.R.C.P., Consulting Physician, Royal Victoria Infirmary, Newcastle-on-Tyne. [1912].

HARMER, Sir Sidney Frederic, K.B.E., Sc.D., M.A., F.R.S., Hon. Fellow of King's College, Cambridge; formerly Director, Natural History Museum; sometime President of the Linnean Society [1894].

HARRIS, Henry Albert, M.A., M.D., D.Sc., M.R.C.P., Professor of Anatomy and Fellow of St. John's College, University of Cambridge; formerly Professor of Clinical Anatomy, University College London and University College Hospital Medical School; sometime Hunterian Professor of the Royal College of Surgeons. [1932].

HART, Bernard, C.B.E., M.D., F.R.C.P., Consulting Physician in Psychological Medicine, University College Hospital and in Psychiatry, National Hospital, Queen Square, London. [1914].

HART, Cecil Augustus, T.D, M.Sc.[Eng.], Ph.D., A.M.I.C.E., F.R.I.C.S., A.M.I.Struct.E., Professor of Surveying and Photogrammetry, University College London. [1948].

HAWKSLEY, John Callis, C.B.E., M.D., Ph.D., F.R.C.P., M.R.C.S., Physician, University College Hospital, and St. Peter's Hospital for Stone. [1946].

HEATH, Philip Maynard, M.B., M.S., F.R.C.S., Consulting Surgeon, Metropolitan and Gordon Hospitals and Evelina Hospital for Sick Children; formerly Surgical Registrar, University College Hospital. [1908].

HERON, David, M.A., D.Sc., President, Royal Statistical Society; formerly Assistant Director, Galton Laboratory, University College London; Member of University College Committee and Joint Treasurer. [1918].

HEYROVSKY, Jaroslav, Ph.D., D.Sc., Professor of Physical Chemistry, Charles University of Prague. [1926].

HILL, Elizabeth Mary, B.A., Ph.D., Lecturer in Slavonic Languages in the University of Cambridge; formerly Chief Slavonic Specialist, Ministry of Information. [1946].

HILL, Geoffrey Terence Roland, M.C., M.Sc.(Eng.), F.R.Ae.S., Inventor of Pterodactyl Aeroplane; Kennedy Professor of Mechanical Engineering, University College London. [1930].

HILL, Sir George Francis, K.C.B., M.A., D.C.L., Litt.D., LL.D., F.B.A., Member of Royal Commission on Historical Monuments (England); formerly Director and Principal Librarian of the British Museum; sometime Keeper of Coins and Medals, British Museum; formerly Member of the Senate, University of London. [1894].*

HILL, Sir Leonard Erskine, LL.D., M.B., M.R.C.S., F.R.S., Director of Research, St. John Clinic and Institute of Physical Medicine; formerly Director of Department of Applied Physiology, National Institute of Medical Research, Mount Vernon, Hampstead. [1924].

HILL, Sir Roderic Maxwell, K.C.B., M.C., A.F.C., A.D.C., M.A., Air Chief Marshal, R.A.F.; Principal Air Aide-de-Camp to H.M. the King; Member of Air Council for Technical Services; formerly Director of Technical Development, Air Ministry, Head of the Experimental Flying Department of the Royal Aircraft Establishment, A.O.C.-in-C., R.A.F. Fighter Command, Air Aide-de-Camp to H.M. King George V. [1924].

HILTON, Elfrida Lilian Gwendolen (*née* Hill), B.Sc., M.B., B.S., D.M.R.E., F.F.R., Honorary Radiotherapist, University College Hospital. [1946].

HIMSWORTH, Harold Percival, M.D., F.R.C.P., Professor of Medicine and Director of the Medical Unit, University College Hospital Medical School; Member of University College Committee. [1936].

HORTON, Robert Lister, M.B., M.S., F.R.C.S., L.R.C.P., formerly House Surgeon, House Physician and Surgical Registrar, University College Hospital. [1924].

HSU, His Excellency Un Yuen, Jevons Memorial Scholar, 1910–1912; Councillor of the Cabinet of the Republic of China and Member of the President's Financial Council. [1918].

INCE, Sir Godfrey Herbert, K.C.B., K.B.E., B.Sc., Permanent Secretary, Ministry of Labour and National Service. [1946].

JAMES, Rev. Edwin Oliver, M.A., D.Litt., Ph.D., D.D.; Professor of the Philosophy of Religion, King's College London. [1946].*

JEAFFRESON, John Walter, M.A., Senior Lecturer in French, University College London. [1928].

JEFFERY, George Barker, M.A., D.Sc., F.R.S., Director, Institute of Education, University of London; formerly Astor Professor of Mathematics, University College London ; sometime Reader in Applied Mathematics, University College London, and Professor of Mathematics, King's College London; Member of the Senate of the University of London. [1916].

JOHN, Augustus Edwin, O.M., R.A., LL.D., President of the Society of Mural Painters; formerly President of the National Portrait Society and of the Royal Academy of Wales. [1920].

KARUNARATNE, William Arthur Edward, M.B., B.S., M.D., Professor of Pathology and Dean of the Faculty, Ceylon Medical College. [1948].

KEEN, Bernard Augustus, D.Sc., F.R.S., Director, East African Agricultural and Forestry Research Organization; formerly Assistant Director and Head of Soil Physics Department, Rothamsted Experimental Station and Director, Imperial Agricultural Research Institute, India. [1924].

KEYNES, John Neville, M.A., Sc.D., Registrary Emeritus, University of Cambridge; Hon. Fellow of Pembroke College, Cambridge. [1876]. **(Senior Fellow).**

LAYTON OF DANEHILL, The Rt. Hon. Lord, C.H., C.B.E., M.A., LL.D., formerly Member of University College Committee; Fellow of Gonville and Caius College, Cambridge; sometime Editor of the *Economist*, and Newmarch Lecturer in Statistics, University College London. [1912].

LEVY, Alfred Goodman, M.D., M.R.C.P., M.R.C.S., formerly Pathologist, London Temperance Hospital; Consulting Physician, City of London Hospital for Diseases of the Chest. [1926].

LEWENZ, Marie Adela, M.A. [1904].

LUDFORD, Reginald James, Ph.D., D.Sc., Hon. Lecturer in Cytology, University College London. [1936].

MACCOLL, Dugald Sutherland, M.A., D.Litt., LL.D., formerly Lecturer in History of Art, University College London; sometime Keeper of National Gallery (Tate) of British Art and Keeper of the Wallace Collection. [1882].*

MACDONALD, Louisa, M.A., formerly Principal, Women's College, University of Sydney. [1888].

MACGREGOR-MORRIS, John Turner, D.Sc.(Eng.), M.I.E.E., Professor Emeritus of Electrical Engineering, Queen Mary College; Hon. Research Associate, University College London. [1932].

MACNALTY, Sir Arthur Salusbury, K.C.B., M.A., M.D., D.P.H., F.R.C.P., F.R.C.S.; Hon. Physician to H.M. the King; Editor-in-Chief for Official Medical History of the last war; formerly Chief Medical Officer, Ministry of Education and Ministry of Health. [1936].

MALLETT, Edward, D.Sc., M.Inst.C.E., M.I.E.E., Principal of the Woolwich Polytechnic Institute; formerly Reader in Electrical Engineering, City and Guilds (Engineering) College, London. [1934].

MARRIAN, Guy Frederic, D.Sc., F.R.I.C., F.R.S., Professor of Chemistry in Relation to Medicine, University of Edinburgh; formerly Professor of Biochemistry, University of Toronto. [1946].

MARTIN, Edward Kenneth, M.B., M.S., F.R.C.S., Surgeon to University College Hospital; formerly Demonstrator in Anatomy, University College London. [1918].

MARTIN, Philippa Parry [*née* Pughe], M.S., F.R.C.S., Ophthalmic Surgeon; formerly Hunterian Professor, Royal College of Surgeons. [1948].

MASSON, James Irvine Orme, M.B.E., LL.D., D.Sc., F.R.S.; Vice-Chancellor, University of Sheffield; formerly Professor of Chemistry and Director of the Science Department, University of Durham; sometime Reader in Inorganic Chemistry, University College London. [1924].

METCALFE, Edward Parr, D.Sc., Principal, Central College Bangalore, and University Professor of Physics, University of Mysore, India. [1922].

MICKLEM, Nathaniel, M.A., LL.B., B.C.L., K.C.; formerly Member of Senate, University of London; sometime Treasurer of Lincoln's Inn. [1882].

MOUNT-EDGCUMBE, The Rt. Hon. the Earl of, T.D., M.Inst.C.E., M.I.E.E., Past President of the Institution of Electrical Engineers. [1930].

MURRAY, Margaret Alice, D.Lit., F.S.A.(Scot.), F.R.A.I., formerly Assistant Professor of Egyptology, University College London. [1922].

NABARRO, David Nunes, M.D., B.Sc., D.P.H., F.R.C.P.; Pathologist in the Emergency Medical Service; formerly Director of the Pathological Department and Bacteriologist, Great Ormond Street (Children's) Hospital; sometime Assistant Professor of Pathology, University College Hospital Medical School. [1898].

NEALE, John Ernest, M.A., Astor Professor of English History, University College London; formerly Professor of Modern History, Victoria University of Manchester. [1932].

NICHOLLS, Major-General Leslie Burtonshaw, C.B., C.B.E., A.M.I.E.E., Director of Cable & Wireless Ltd.; formerly Chief Signals Officer at Supreme Headquarters, Allied Expeditionary Force. [1948].

NORMAN, Frederick, O.B.E., M.A., Professor of German, King's College London; formerly Reader in German, University and King's Colleges London; Member of the Senate of the University of London. [1936].

O'DONOGHUE, Charles Henry, F.R.S.E., Professor of Zoology, University of Reading; formerly Reader in Zoology, University of Edinburgh, and Professor of Zoology, University of Manitoba; sometime Senior Assistant in Zoology and Comparative Anatomy, University College London. [1914].

OFFOR, Richard, B.A., Ph.D., Librarian of the Brotherton Library and Keeper of the Brotherton Collection, University of Leeds. [1946].

OLIVER, Francis Wall, M.A., LL.D., D.Sc., F.R.S., Professor Emeritus of Botany, University College London; formerly Professor of Botany, University of Cairo; sometime Quain Professor of Botany, University College London. [1886].

PAGE, Harold James, M.B.E., B.Sc., F.R.I.C., F.I.R.I., Principal, Imperial College of Tropical Agriculture, Trinidad; formerly Director of the Rubber Research Institute of Malaya; sometime Head of the Imperial Chemical Industries Experimental Station for Agricultural Research, and Chief Chemist and Head of the Chemical Department, Rothamsted Experimental Station. [1934].

PARIS, Edward Talbot, C.B., D.Sc., Deputy Director of Scientific Research, War Office. [1918].

PARKES, Alan Sterling, M.A., D.Sc., Sc.D., Ph.D., F.R.S., Member of Staff National Institute for Medical Research; formerly Foulerton Student of the Royal Society; sometime Honorary Lecturer in Physiology, University College London. [1934].

PARSONS, Sir John Herbert, C.B.E., LL.D., D.Sc., M.B., B.S., F.R.C.S., F.R.S., Consulting Ophthalmic Surgeon to University College Hospital, and to the Royal London Ophthalmic Hospital; sometime Lecturer in Physiological Optics, University College London; Past President, Royal Society of Medicine. [1910].

PAUL, Agnes Stoddard, M.A., B.D., formerly Tutor to Women Students, King's College London. [1902].

PEARSON, Egon Sharpe, C.B.E., M.A., D.Sc., Professor of Statistics, University College London; Associate Member, Ordnance Board, Ministry of Supply. [1932].

PILCHER, Robin Sturtevant, M.S., F.R.C.S., M.R.C.P., Professor of Surgery and Director of Surgical Unit, University College Hospital. [1946].

PLIMMER, Robert Henry Aders, D.Sc., Professor Emeritus of Chemistry, St. Thomas's Hospital Medical School; sometime Reader in Physiological Chemistry, University College London, and Biochemist and Head of Biochemistry Department, Rowett Research Institute, Aberdeen. [1906].

QUARTERMAINE, Allan Stephen, C.B.E., M.C., B.Sc.(Eng.), M.Inst.C.E., Chief Engineer, British Railways (Western Region); formerly Director-General of Aircraft Production Factories. [1938].

RANDALL, Alec Walter George, C.M.G., C.B.E., B.A., H.M. Ambassador to Denmark. [1948].

RANKINE, Alexander Oliver, O.B.E., D.Sc., F.R.S., Chief Physicist, Anglo-Iranian Oil Company; Secretary of the Royal Institute of Great Britain; formerly Professor of Physics, Imperial College of Science and Technology; sometime Assistant in Physics, University College London; Professor Emeritus. [1912].

REID, Rachel Robertson, M.A., D.Lit., formerly District Inspector L.C.C. Education Committee; sometime Senior Assistant in English History, University College London; formerly Director of Studies in History, Girton College, Cambridge. [1912].

RENIER, Gustaaf Johannes Petrus, Ph.D., Phil.Lit.cand., Professor of Dutch History and Institutions, University College London. [1948].

RICHARDSON, Archibald Read, D.S.O., B.Sc., F.R.S., formerly Professor of Mathematics, University College of Swansea; sometime Assistant Professor of Mathematics, Imperial College of Science and Technology. [1932].

RIDING, Alice Laura Stuart, M.A. [1888].

ROWNTREE, Arthur, B.A., formerly Headmaster of Bootham School, York. [1928].

RUSS, Sidney, C.B.E., D.Sc., Professor Emeritus of Physics, Middlesex Hospital; formerly Scientific Secretary of the National Radium Council. [1916].

SALISBURY, Sir Edward James, C.B.E., D.Sc., F.R.S., Director of the Royal Botanic Gardens, Kew; formerly Quain Professor of Botany, University College London; sometime Reader in Plant Ecology; Member of the Senate of the University of London, and of the University Grants Committee; Biological Secretary to the Royal Society. [1916].

SANSOM, George Samuel, D.F.C., M.C., D.Sc., formerly Hon. Research Assistant in Embryology, University College London. [1930].

SCHWABE, Randolph, R.W.S., Slade Professor of Fine Art, University College London. [1948].

SMILES, Samuel, O.B.E., D.Sc., F.R.S., Professor Emeritus of Chemistry, King's College London; sometime Assistant Professor of Chemistry, University College London; formerly Professor of Organic Chemistry, Armstrong College. [1904].

STANSGATE, The Rt. Hon. The Viscount, P.C., D.S.O., D.F.C., B.A., formerly Secretary of State for Air and Secretary of State for India. [1918].

STEVENS, William Mitchell, M.D., F.R.C.P., Senior Physician to King Edward VII's Hospital, Cardiff. [1898].

STOPES, Marie Carmichael, D.Sc., Ph.D., F.L.S., F.G.S., F.R.S.L., formerly Lecturer in Palaeobotany, Victoria University of Manchester; sometime Lecturer in Palaeobotany, University College London. [1910].

STRANG, Sir William, K.C.M.G., C.B., M.B.E., B.A., Joint Permanent Under Secretary, Foreign Office (German Section); Foreign Secretary's Deputy to the Council of Foreign Ministers; Chief Political Advisor to the Control Commission for Germany. [1946].

TANSLEY, Arthur George, M.A., F.R.S., Director, Field Studies Centre; formerly Fellow of Magdalen College and Sherardian Professor Emeritus of Botany, University of Oxford; sometime Assistant Professor of Botany, University College London, and Lecturer in Botany, University of Cambridge. [1896].

TAYLOR, Julian, O.B.E., M.B., B.S., F.R.C.S., Surgeon, University College Hospital; Surgeon, National Hospital for Nervous Diseases, Queen Square, London. [1936].

TEALE, Francis Hugo, C.V.O., M.D., B.Sc., F.R.C.P., Lecturer on Bacteriology and Vaccine Therapy at University College Hospital Medical School, and Honorary Officer-in-Charge, Inoculation Department, University College Hospital. [1914].

THANE, Edgar Herbert, M.D. [1892].*

TOY, Francis Carter, C.B.E., D.Sc., Director, British Cotton Industry Research Association. [1936].

TRAVERS, Morris William, D.Sc., F.R.S., Professor Emeritus and formerly Fellow and Nash Lecturer in Applied Physical Chemistry, University of Bristol; sometime Director of the Indian Institute of Science, Bangalore, and Assistant Professor of Chemistry, University College London. [1900].

TUCK, William Bradshaw, D.Sc., University Professor of Chemistry, Middlesex Hospital Medical School; sometime Assistant, Department of Chemistry, University College London. [1922].

WALKER, Charles Clement, A.M.Inst.C.E., F.R.Ae.S., Chief Engineer to and Director of De Havilland Aircraft Company. [1938].

WALSHE, Francis Martin Rouse, O.B.E., D.Sc., M.D., F.R.C.P., F.R.S., Physician-in-Charge, Neurological Department, University College Hospital, and National Hospital for Nervous Diseases, Queen Square, London. [1922].

WATSON, Constance Bruce, (*née* Low), M.A. [1906].

WATSON, Herbert Edmeston, D.Sc., F.R.I.C., M.I.Chem.E., Ramsay Professor of Chemical Engineering, University College London; formerly Professor of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore. [1914].

WEISS, Frederick Ernest, D.Sc., LL.D., F.R.S., Emeritus Professor of Botany, and formerly Vice-Chancellor, Victoria University of Manchester; Past President of the Linnean Society. [1894].

WHEELER, Robert Eric Mortimer, C.I.E., M.C., M.A., D.Lit., D.Litt., F.B.A., F.S.A., Director-General of Archaeology in India; formerly Keeper of the London Museum, Hon. Director of the University of London Institute of Archaeology, and Lecturer in British Archaeology, University College London; sometime Director, National Museum of Wales, and Lecturer in Archaeology, University College of South Wales. [1922].

WHITE, Clifford Sidney, M.D., B.S., F.R.C.P., F.R.C.S., F.R.C.O.G., Senior Obstetric Surgeon, University College Hospital; Past President Obstetrical and Gynæcological Section of the Royal Society of Medicine; Consulting Surgeon, Metropolitan Hospital and St. Mary's Hospital for Women. [1938].

WHYTLAW-GRAY, Robert W., O.B.E., Ph.D., F.R.S., formerly Professor of Chemistry, University of Leeds; sometime Assistant Professor of Chemistry, University College London. [1910].

WILKS, John Alexander, M.A., F.L.A., Librarian, University College London. [1938].

WILLIAMS, Gwynne Evan Owen, M.S., F.R.C.S., Surgeon; formerly Dean of University College Hospital Medical School. [1930].

WILLOUGHBY, Leonard Ashley, M.A., D.Lit., Ph.D., Professor of German Language and Literature, University College London; formerly Henry Simon Professor of German, Victoria University of Manchester; sometime Senior Taylorian Lecturer in German, University of Oxford, and Lecturer in German, University of Sheffield. [1910].

WOLF, Abraham, M.A., D.Lit., sometime Fellow of St. John's College, Cambridge; Professor Emeritus of Logic and Scientific Method, University College London; formerly Member of the Senate of the University of London; sometime Dean of the Faculty of Economics and Political Science. [1902].

WOOD, Arthur Charles, M.C., M.A., sometime Quain Student in English, University College London. [1914].

WOODCOCK, Harold Mellor, D.Sc., Assistant in Protozoology, Lister Institute. [1910].

WOODLAND, William Norton Ferrier, D.Sc., late of Helminthology Department, Wellcome Research Institute; formerly Professor of Zoology at the Allahabad University; sometime Assistant Professor of Zoology, University College London. [1912].

YOUNG, Frank George, D.Sc., Ph.D., F.R.I.C., Professor of Biochemistry, University College London; formerly Sharpey Scholar and Assistant, Department of Biochemistry. [1946].

YULE, George Udny, M.A., F.R.S., sometime Newmarch Lecturer in Statistics; Past President of the Royal Statistical Society; formerly Assistant Professor of Applied Mathematics, and University Lecturer and Reader in Statistics, University of Cambridge. [1926].

FORM OF LEGACY.

I GIVE to the UNIVERSITY OF LONDON for the benefit of UNIVERSITY COLLEGE the sum of £ duty free.

N.B. Strike out the lettering and three of these four alternatives. If (*c*) or (*d*) is left, state the purpose desired.

(*a*) for the general purposes of the College.

or (*b*) the capital to be invested and the income to be applied for the general purposes of the College.

or (*c*) for the following purpose, namely:

or (*d*) the capital to be invested and the income to be applied for the following purpose, namely:

I declare that the receipt of the Treasurer or other proper officer for the time being of the College shall effectually discharge my executors.